

<210> 1211
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1211

tgtaacaata ttntattgaa agtgagagta ttaatagaag ataaaaagtt atcgattata 60
 aatttataga taaaattgaa aaacaactat gtagcttcta atttataagt tatatgacat 120
 attttaagtt agtagcatta gcatgtgggt gtaggttttt aaaatatgtt aaaattccat 180
 tttagtctca caaattttaa atatcttggt ctgggtctatt gtttctagaa ataatatagc 240
 taacaaaaaa aatactttta aataatcata ttttagtttt taattaatta tgaactctta 300
 taatttttta aaaaataaat tttattaaaa tataaataaa ttatgtaa atggaataa 360
 ttaaaatgaa cagtataata ttaaaattat ttctaaataa aaatagtatt atattatagg 420
 agacaatata ttagagttct taataagtac tttagtcata taatctatcc a 471

<210> 1212
 <211> 460
 <212> DNA
 <213> Glycine max

<400> 1212

tattagaatc gtcattaata agcttatttc taatagtgtc agcgagacat taattgtcct 60
 ataaagtgaa gttgtaagct aatttcccca ttattcccaa aacacgactt gtttcaatgt 120
 taatatatct aattctgaat tttggcaact tgaagtatca ttcaaactaag ctttgacaaa 180
 gtaaggatgc caaattatag attccattag gctctttgct tcgtgggttt ggctcttgta 240
 caccatgtgt gttgttttta tgctcctctt tcagttgata tatttccaat gcgtagtaag 300
 tgatcgctag ctgcttacgt gccaacatag ttgggattaa agtaactaat gtgatgcac 360
 tgcattgtgc aatgttaaaa aagataggat aaattgtgac tctagttccc ctaattcttc 420
 aaaaccatga ttttaatccc ctacatttta attgctacat 460

<210> 1213
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 1213

agcttcacac aatnntatatt tttttatcaa acttgagttn tggaaaacca attactaaga 60
ctttcctaac tagatgattt aaatgatgca tgtaaatatg tgcagcccta tgatgccaca 120
atcatgaatc atctatctta ctccaaga aacttagctc atgaaaagat acatgttcaa 180
cattcaacat atagatatta cctattctct tactgatctg gacaacttta ccggatatgg 240
cttcacttat aagacatcaa tttctattga actctatttt gaacccttta tcacaaagtt 300
gactaatgct tagaagttat gcttttagtcc atccacatat aacacattct taatctgagt 360
tntatgttga ttccctatat catgagaaat catatttttc cttttgtggt nngtctcaac 420
atgaccatag tttggacttg tcacacgtca t 451

<210> 1214
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1214

tgtgaagttc ttccaggact gtccagagca acattntgta cacatattgg agccattctt 60
gaaaatcatc atgtatagga ttctaattcc tttctcttaa tttgtccaat tttttaagta 120
tttggttttg tttccttgaa tgctttaact atttgataaa ttagtcttgc atcgacagga 180
cataaaca aa gtgttactgc accaaagtcc attttctct tgtgaagtgg aatagttgta 240
cgatgaacaa gtatttcacc tatattagat ggatggcaaa gagaattagg gattctgcca 300
aagtatgctc taggttatat gcaaggccta ataaattaga agctagatta attctatact 360
ctgtagcatg taattaaata tgggaaaaat aatatat 397

<210> 1215
<211> 334
<212> DNA
<213> Glycine max

<400> 1215

ggatcttaag caccgaggct gcagcttaac acaattatgc aacaaataat ataagtttcc 60
ataagatata ataaatctaa aatgtgcttt ctaagttgat acctaacatc ataataacat 120

aagctgattg caatttcaaa gttctttata ctcttagaaa aaaggtccat acactcttaa 180
 tttctccttt tctttcaaat ctcattgatta agagaacaca ttctcaaatac aagaaaacaa 240
 tatcatatga ttgaattgaa tacttatctt ctaatgatgt ttctctgggc acaaataaca 300
 ccaaattggtt gaacttactt acgtaataat cata 334

<210> 1216
 <211> 460
 <212> DNA
 <213> Glycine max

<400> 1216

tatgcttatg aagacttcct gacactgcta tgtgtgaagc acctagtaac ctctgtcgaa 60
 catccctaga ccaacagtgc ggcagaggca gccaatatac tcaccctttg ggccctatgc 120
 actacactca acaagtctaa cgggtccatgg aaggaggaaac tccccagtat actctgggce 180
 tatcattgct aaccctagac aatgaccata aaaattcttt tgcgactcac atatggcata 240
 aacaccatga tccccgtcga agtcagggaa cgtcaacaa ggagattggt gttctagcaa 300
 caaaaaaatg aagacaacat gagggtagaa cataagacaa ccgatgacgt acaagaggta 360
 gccaaaatca aagaagaggg taccaagctc caagcatcaa ggagatacaa ccttaagttt 420
 caacctcaag ccttttaacc cggcgacctc gtctggcgag 460

<210> 1217
 <211> 309
 <212> DNA
 <213> Glycine max

<400> 1217

agcttgtagg atatgtggat cacggtactg tccattatgc aactacaca tgctgatgct 60
 gttcttgcca acaatactta ctcttcaagg acgaatctga agtacaagt tcttcaattt 120
 tatttcacag acttactcac ttgacgatac caacactttg tgtcaacaga ctggatgatc 180
 tctcgtcata aacatagcat gtgttattca atttatgtgg gtcagacaaa ggactggaaa 240
 taacactatc atcgtgttaa tagataactc actttataag aaaagtaaaa gttctctgct 300
 gaaatcttg 309

<210> 1218

<211> 264
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1218

gacttaacct tgcgactctc aaagacgcac tctgtttnc a ctcgtaacat cacattgtca 60
 ctttcctacc ctaggttaac tctacatttc atctctgaca gtgntgcatg agcaattttt 120
 cagcatacta catcgcaaac atcatcaca aaccctaaaa cagaatgggt atgtttgact 180
 tcatcaagca tggcgatttg aacaagtgtt cagcaaagt cttcacaat tatcatcaca 240
 cgccatatac ctagcaagac tacc 264

<210> 1219
 <211> 406
 <212> DNA
 <213> Glycine max
 <400> 1219

ataagatata ataaatctaa aatgtgcttt ctaagttgat acctaacatc ataataacat 60
 aagctgattg caatttcaaa gttctttata ctcttagaaa aaaggtccat acactcttaa 120
 tttctccttt tctttcaa atctcatgatta agagaacaca ttctcaa atc aggaaaacaa 180
 aatcatatga ttgaattgaa tacttatctt ctaatgatgt ttctctgttc acaaataaca 240
 ccaa atggtt gaacttagtt acgtaataat catatcatga aatagcagag aaaggtcagc 300
 catcataaaa tgaattaatc attcttacac cctaagtagt aatcataaca atcatgtcta 360
 atagagctgc taaatattta gctcacctct ctgccatcta tggaat 406

<210> 1220
 <211> 416
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1220

ntggctcctta ggcctaagt tatcactcta gtcgttatgg gaactaccta catgctccaa 60
 catggccctc attcacgtac caagtgggtt cataggccat ttctcaccaa atcatgcgca 120
 aatgccattg aggcatttca ccgagcactt ggtgggcgca tgtttaggca caaatagcag 180

gggggtaagg gcaatgtggc atgcccgatc atttcagaat acatcttagg cctaaggcca 240
 ttgcctataa cccttcaact caacataaac aaacaaatat tcaaagataa cttgttcata 300
 ttgtttacca tatacatgta acttgaggca ccaaagaagc atcaatggac agctagagag 360
 cccatgaatg gagtacttac ttgttgggga tgaataatca tgcctaattg caataa 416

<210> 1221
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 1221

agtcaactga cgctgccgct tcattgttca atttgagcgt ctagatatat catgcgcctg 60
 aatctgacat tccagcgaga aggatgacca tttctattac tcgagagctc ttgtggttca 120
 atttccaccg tctccttgag ggaggtgctt gacctccacg tccgagtga aaaggatgac 180
 cattcttatt tttcgagagc ttccgttggt ttatttccag cggctctata tccgatgcgc 240
 ctgaattgga catccgagtg aaaatttata atcattaaga tttctcgaga gcttccgcac 300
 tttcaattcg agcgtctcga tatattatgc acctgaatcg gacactcgag tgataaatta 360
 tgaccatttt aatttctct 379

<210> 1222
 <211> 227
 <212> DNA
 <213> Glycine max

<400> 1222

cttgcctcac agatgtccac gaaggataag gcggccgaag gaactagttc cgctcccag 60
 tatgacagtc accgcttttag gagcgtgta catcagcagc gcttcgaagc catcaaggga 120
 tggtcatttc ttcgggagcg acgcgttcag ctcatggacg acgagactgc tgatttcgca 180
 tatgacacag gtttccgtca cgtgtcatca atcactaccc ccatggc 227

<210> 1223
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 1223

agcttgtagg atagttgggtt cacggcaatg actcattatg cacacaacac atgctgatgc 60
 agtccttgcc aacaacacat actcttcaag gacgaatctg aagtacaaag tttatcaatt 120
 ttatttcaca gacttactca cttgacgata ccaacacttt gtgtcaacag tctgtaggat 180
 ctctcatcat aaacatagca tgtgttatcc aatttatgtg tgtcagacaa agtactggaa 240
 ataacactat catcatgtta atagataact cactttataa gaaaagtaaa atttctctgc 300
 tgaaattctt gcaagctaatt ttgttcttct ttagaatacc tacaccagag aatagtagat 360
 aagtcacttg tagttggaaa acagtggaaa gcaacatatt ctgatcattg caaattgcaa 420
 gcagtcaatg 430

<210> 1224
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1224

tatagtaaaa gaagcanagt caaaattntg tttcattnta tcttgttgtt aacacctaata 60
 aagttagttg ttggagcaac atcttgattg gatacaactg gcataagaaa actaattgga 120
 tacaattgat gtggctaaat tagggataaa aggtaaaaca actgggatgg aacactttga 180
 gtgatgtgta ggccgattta aagaacgtgt aagacaaatt gactgataat ggagcggctg 240
 aagggatgat agccatgatt tcctagattt taaggagtgt taatagtgtt tcaactaata 300
 taaccattag tcaatctcta taaataaggc ctatcacatt ataactaaca cacagacatc 360
 aatacataag aatccattca ttatcctgcg tatatattgt att 403

<210> 1225
 <211> 176
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1225

ttaagtcacc tgcngcatgc aagcttcccg tatccgtact tggaaggatc tgattaccgc 60
 cttcctaagg cagtatcagt acaattgtga tatggctcct gaccgtactc tactgcagaa 120
 tatgttcaag aaagagggtg aaacctttaa agaatatgcy cagcgatgga gggatt 176

<210> 1226
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 1226

tattcaacaa tgacaaatca cataacataa ttttaagatt ctgagcctca ctagtagcag 60
 tatctaaagc aataatttct gcttccatgg tagaatgtga aataatagtt tgttcagcag 120
 atttccatga tattacacca ccagctaaag taaagacata atcacttgtc gattatgttt 180
 catcagaatc aaaaatccaa tttgcatcac taaacccctc aattacttcc taatctacca 240
 actacatatg ctatgacatg cctatagaga gttgtcaatt gcatcaaaga accactaatt 300
 tgataatatt gtg 313

<210> 1227
 <211> 564
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1227

catggcaacc gaa^aaatcgta aacggtataa agtatcttaa ctatacaaaa cacncccggt 60
 tgatgctgcc gcgctgacac cgcacancna actgacgcgg cgcacgcgag caagntgatg 120
 aatgaggacc catctcatct gtttctatgt ggcaggcaga cgaaggagcg caactagtta 180
 tccacatccg caatgcgcgc gtaaaaccac catccctgt tgacggctcc aactgaactc 240
 acgtacgtcc acgcaaccg taggcaaagt tataatgcag ccgaggcccc atcaaaccctc 300
 ccaagctgcc acaacgaaca atcaaaaaaa catttaaaca ggacatgcta tcacagccaa 360
 gcgaaacata gcaaaggcgg aaaactctgc tcaacacaat aacacaaagc gcagcacttg 420
 tctcctaaga ccacagaaac aatccttoga gcaaagagct taccgctgga acgagctcaa 480
 gagtatacca gcaagctata aagcataatc gctacacggg gcccgccgga gggactagca 540
 acaatcagaa acaaggatga cacg 564

<210> 1228
 <211> 540
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1228

tgaacgtgga atgatacatg cgataacgtg acaaccactg tactcgngcg acactanana 60
 acaccangc ttgcctgtcc gatgtagcag tatcgatggg cctagctact gttggcgaac 120
 ggttaccaac ccggaatggg tttaggcaaa gaccacgacg gtttgactaa cctgattaat 180
 gccaaaggaa ctctgtgtgaa gctacgggta gtctatacgc ccactcacgc agatctaaag 240
 agaagcatcg tgggaaggaa gagcggtagt caaagctcgt ggtcgagact agaaggtgaa 300
 ggaagcccg c actggcacat aagtagaagc tttataagcg cggttctgat ggacgaatgc 360
 taagcggacg tgatatacca tcacgatgtg tcgagtacat ttggattggc acgacccttg 420
 ctctaccgat ttttagctgt gtaattggcg tgcgctgtgt catacactaa tttcgatggc 480
 ggactctccc ttgacgatcg actaccttcg cttgcctcgc tgagggtgtcg gttccgaacg 540

<210> 1229
 <211> 336
 <212> DNA
 <213> Glycine max
 <400> 1229

gctctctaag atgataccta tcatacataat aacataagct gatagctatt accaagttct 60
 ttatactcgt acaagaaagg gccatacact ctgaatttct ccatttcttt caaatctcaa 120
 gaataagaga acaccttctc aaatcaagag gacaaaatca tatgattgaa ttgaatactt 180
 atcttcta at gatgtctctc tggtcacaaa taaaaccaa tggttgaact taggtacgcg 240
 ataaccatat catgaaatag cagaaaaagg tcggccatca taaattgaat tactcatttt 300
 acaccctaca tagtaattca tacaatcatg tcta at 336

<210> 1230
 <211> 276
 <212> DNA
 <213> Glycine max
 <400> 1230

agcatcatct tcttctcca cgccgggaaa ttgtgttctg cgatcgtgga ggccgatggg 60
 gtcgagtagc ccaggcattt tgagggtggg gttctccctc cgcgtcagca atgtcaagaa 120

gcactcttcg tttcattgcc ggctttttat taatccgaag tgtttatagg tgatccgtaa 180
 aaattgggta gcagaagtga agattaacat caagttgatc cgtaatttaa tcctaattat 240
 caaaaaactc actattagtt tacggatcaa cttgat 276

<210> 1231
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 1231

catcccaactc ctatattggc aagtctctca tgacgatcac aagctaacac taccattat 60
 tgggagctat gcaaaccaaa ctctctctga tgtaatgatt ctaaactata tattaatatg 120
 atgttgatat tgctatttat ctttctgttc attcacatgt cttcgatctg atcatccatt 180
 ttcataaact gtcttaagat ttaggcattg gaaaatattt atatgctcga actggggaag 240
 aacattcagg taatccatct ctagggatag agtgacattg tctagcctat gcatgcatct 300
 ttgctcgtaa tgcaaattat ctaatataac ttttaaggga ttaggagcga tattaggtaa 360
 tatatgctct ctcaattgag ggatcatggt tagagtatgt tagaacgtcc aagtaattat 420
 catattatca taaaa 435

<210> 1232
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1232

agctatacag cagattntag taatgacca cttacctaca attaaaacaa cttaatgcca 60
 ttaacctagg gaattaaaaa aacttaatgg ctgagtgtaa ctgaaattgt ggcaaccaaa 120
 agtcaccccc aacagccaac aagtcagcca ccatttggtc tcccaaaagg ctgatgccta 180
 tgttgccaat tgggccctta ttacaacttg aactaaacct aactaaagcc cttttagttg 240
 attaacccaa aacatatttt tggtcagcca actttacaag gattgggcca ttatttagac 300
 aaactaaaca ctctaaaatt gaaacaaagt ggtgtcattt actcctcctc catttgggcc 360
 atgatacaac tc 372

<210> 1233
 <211> 471
 <212> DNA
 <213> Glycine max

<400> 1233

ggaaattaaa caatggaagc actcgagata ttcaaattgt cataacttat cacacggagg 60
 tctgattcat ggcataata tatcgagacg ctcgaaattg aacaacgaat gctctcgaga 120
 aattcaattg gtcataactt gtcacacgga agtccaattc tggcgcatca catatcgaga 180
 cgctgtaaat tgaacaccgg aagctctcga gaaattcata tggtcataac ttatcacaca 240
 gaggtttgat ttaggcgcat aatatatcga gacgctcgaa attgaacaac gaatgctctc 300
 gagaaattca aatggtcata acttatcaca cggaggcttg attcaggcgc ataatatatc 360
 gagacgctcg aaattgaaca acgaatgctc tcgagaaatt caaatgggtca taacttgtca 420
 cacggatgtc caattctagc gcatcacata tcgagacgct gtaattgaac a 471

<210> 1234
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1234

agctntagct tccaactcaa caggtagggtg acaagaattg ccatagacca attggaaagg 60
 agtaagtctt gtaggagcta tgtatgttgt tctgcatgcc cacaagctt catctagctt 120
 ttgggaccaa tcttccttg attgagcaac tgttttttct aatattttct taactttcct 180
 attagaaact tcagcttgcc catgtggtaa ggcgaagcta ccttgggttt gacactgtag 240
 tgttggagga ctttgggtgag ttatacatta caaaaatgag atcctccgtc acttattagt 300
 accctgggtg tgccaaacct tgagaagata ttattttcta ggaagcaaat aacaattttt 360
 gcatttgcat gntgtaccac tactgattca acccattttc ttacatagtc 410

<210> 1235
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1235

nttcaacaca naagtttagtc gtaaataacg actaacaact cccctaaatt tacagttttg 60
 cttgtcctca agcaaagaaa gaacagttca cttgtcctca agtgacaagc tcacagtggg 120
 aagcaatgct ttcaaccaat ttatggttct tttcaaccaa caaagaattc aatcacatga 180
 acacaagtgg caagcaatgc tttcaaccaa caacttttca caagatatatac agattttcaa 240
 agatatgaac atgataatta ggcacactaa tgaaataagc tagcaagcaa gacaaatatc 300
 aaggaagggt catcaagcca attcctcatg gtcactgttt cactcaagca caagtgttta 360
 ggctatttat caatcaacaa ccagcacaag tcccaaattt tgaatgtcat ctcatgccat 420
 acagtcacaa acacacta 438

<210> 1236
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1236

agcttgtagg attatggngt acccatcaca tgttggtacta ggtggcggtc gggcgatggg 60
 gcacaacaag ttttccacat ccacaatgag cgcataaacc caccatcccc tgttgcccac 120
 ctccaactga actcacgtac tcccacgtag cccatattct cgtttctctc caccggggtc 180
 cccatcaatc ctccaagct tccacaacat ccaatcaaaa caacattcaa acagcacaag 240
 ctatcacagc caagcaaaac agagcaaagg cagaaaactc tgctcaacac atcaacaaaa 300
 atcacagctt ttctctctta aggaccacag taacaattcc ttcatccaa ttctgtaacc 360
 cgtggatcga cttncaaaat ttactggaag tctatagt 398

<210> 1237
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1237

ntccggattt agtcttcgcc agtgaaagga tcgatgtggg tccaaaaaga ggcaaatttg 60
 atcatcctac taggacgact gagaaaactg gggcaaatga agagggtgag aaagaggag 120
 aaacccatgt tgtgactggc attcctatac ggccaagttt cccaccaacc caacaatgtc 180

attactcagc caataacaaa cctcctcctt acccaccgcc cagttatcca caaaggccat 240
ccctaaatca accacaaagc ctgtctaccg cacttccaat gacgaagacc accttttagca 300
caaaccacaaa aacaccaaca aaaaggaatt ttgtagcaaa aagcctgtag gggttcacccc 360
aaattccttt gtcatatgct aaacttgatc ccatatccac tcaataattc aatggtagcc 420
ataacccta 429

<210> 1238
<211> 359
<212> DNA
<213> Glycine max

<400> 1238

tcggacatcc gtgtgaaaag ttacgaccgt aaggatatgt ccagagctat catagttgaa 60
tttcgagcgt ctagacatag tatgcgcccg aatcggacat ccgtgtgaaa agttatgacg 120
atatgaatat ctcaagagct ttcgatgggtg agtttcgagt gtatcgatat attataatac 180
ctgaatcgga cctccgtgtg aaaagttatg actatatgca tttatcgaga gtttccgatg 240
tatagtttcg agcgtatcga tatattataa gcctgaatcg gacatccgtg tgaaaagtta 300
tgaccattag aattttctcag gagctttcgt tgtgcagttt cgagcgtctc gatatatga 359

<210> 1239
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1239

tagatagatc aacgtanggt tctttttcct tcaaccttca ttctacatnt tttccttaaa 60
caaagacatg catgatttta ctattgtatt tctttccat ctcttcatt gaaaagtga 120
ttttttgtac tattttatnt ttctttcttc cattgtatat atatatatat atatacctat 180
tgattttctta ttgcagtcac gatttgagtt tttagagcaa actctttgag tcgatgggtgc 240
tactatcttc gaaaatcctt ctatgaatct tcgatagtat ccaaccaatc caacaaaatg 300
tgtaatctct atagctatct tatgggcgtt tcaactgcaa attgtgtcta ccttggaagg 360
atccactaca ttgctacca ccaagatcac atgacctaag atccgtacct catcaagtca 420

aaac

424

<210> 1240
<211> 376
<212> DNA
<213> Glycine max

<400> 1240

gcaactagga tgttcggaag tatcaaagta atctgggaat ggaacattgg aaagctataa 60
agaaagttat gagatactta caaggaacaa aagatcacat gcttacatat aggaggtcta 120
atcatcttaa ggtgattggg tattcagact catactttgt tggatgtgtg gttatgagaa 180
aattcactct tggctatgta tttcttttag tcggaggagt aatatcatgg aagagtgcaa 240
agcaaccagt tgttggtgtt gcactctacca tggaagtaga atttgcagca tgttttgagg 300
ctacaagtta agctaattga ctgcgaaact ttatctcagg gctctgaatt gacttacgac 360
tgctaggcat tgaaat 376

<210> 1241
<211> 442
<212> DNA
<213> Glycine max

<400> 1241

cagtgtgtcg tcccagagcta atcactgagc tcactttaaa tgggaaaacc gccctactct 60
tatataaagt cggacaccgt tcgttttttt tcttgaacc aaaccggtac cggttctccc 120
ttttttgccc gatggaacta acaacggccc aatttttatt cctttcacta tttctaactt 180
tccgaaaact aaaaataccc cccttggtgc ttacaaggca ccctgcattt tctttatggt 240
tttttgttta cacaacctat taattgaggc tgggctttta tttcacatc aatttaatat 300
aagccttgct ttaaatttct ttatatatcc caacctgggt attgtggcct gctatatatt 360
caccacaaat tattttgcac ggcaatgtat ttttagttaa gaccatatat tttgctcggt 420
tttatttacc tgggatacta ac 442

<210> 1242
<211> 224
<212> DNA
<213> Glycine max

<400> 1242

ctaagcttat taagaggctt cctccagaag cttcattaag agacttctag cacactccag 60
acatcttctc aaagatccca acggtcagat catggaaagg tgcttggtga agttgaagac 120
caaatttcga gaagatccaa cgggttaatga aggctggaca gtgtttttac cgagccagct 180
tcatgtagct atttctagaa gctttattaa gaggcttttt ctag 224

<210> 1243

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1243

agcttcctcg gngccatttc ctgcgaaggc ttacatttgg aaagctagtt ctaccagtgn 60
gatactattc ttaaaacaaa aatgacatac aacctcctcc cataaatata aacatcaatg 120
taaattttaga ggaagcttat gcgcataatt cttacaaac gttctcttgc acaagacatt 180
ctattaacca aaaaaaaatg cacccatata caatcaaggc agcttcgtta cctagattat 240
ttacacgtac ttccaagggtg tatttggttac ttacatcaca cacctccttg gctaaattca 300
catacatgca tactcaaagc attttgtggt accaaaaatt gcacatgtgc acatcttggt 360
atttctaata cctatacata cacaaacttc atgatgaatc ttgactatct acacaataag 420
gngctacatt ntatgctctt ttc 443

<210> 1244

<211> 300

<212> DNA

<213> Glycine max

<400> 1244

tagtggtgag atgaagtaac atttgtgtgct agtctagtgt cttttaagtg tacttgaaaa 60
gataaaaaga gaaaattact aagtttggtta ggcaggttag ggagtcattc aacaagaaat 120
taatactttt caaaattttc aagaactcca acatatttta cccaatttat aatttaaaaa 180
ttaaacaag tttttatttt tctaaattca tatttttaaat atattctaac atgagaaaaa 240
atgttatagt aaaaaaatg aatcgtaacc aaaaaataaa aatataggta aattaatagt 300

<210> 1245
 <211> 432
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1245

agcttatgcg atccatgggg ctntccaaac cactaacttc ttatgcaaga aatagttaat 60
 ccattgggag ttacatcccg aaggatatga tcaaatagct aactgcgtca ttctatctca 120
 gtaccaactc tattttgtta aatgggtttt tttttatgga taatcgattc tggatgaattg 180
 tgaagagtta cttcatgtat aatgccttct attccacana actcattaaa taaaacatat 240
 tcaccactca tatcggtatc acaccattgt attttcttat ttattttatt ttccactttc 300
 gctctatata aaagaaacat ataaaacact atacaatata tggatagcat atgaatgacc 360
 ctttaatgtn tttgctacgt tatgggtgtg acaccacaca ttactttaac aacccatctc 420
 ttgacctttt tg 432

<210> 1246
 <211> 298
 <212> DNA
 <213> Glycine max

 <400> 1246

atcctctttc gaaacttcta gatgatattt accctttact gatgctaaaa atagcggcga 60
 ggaacgtcga gaagcagatc ccgtcggagc cgtactgggc attcttgatt ctgtacacat 120
 cagtgcactc agaataatat cgtctctgcc gatctgtctg ttcgctgctg tatatgtttg 180
 ctagtcaagg gatattttca ttagaatcaa aatgtgctct cagcgttata acaggagaga 240
 cgacaaatgg atttggacag gacaacagag gcttgtgtga gagaaacgtt agaacctt 298

<210> 1247
 <211> 268
 <212> DNA
 <213> Glycine max

 <400> 1247

cgatccacgt ttaagagaat ttgggggttag cccaataagc accttgacat ataaaagttt 60
 cattgacaat tgaagaaagg aattgcatga cagcgactga ccaatgtttc aatttcattc 120

aactaatgga atcggggtga gcctcctatt atcccaggca tttccttctt gtgggttatg 180
 ctgaaaactt ttatttaagg tgggtttggt gggagaaatc tttatcatat gtttctaaca 240
 aaatcgatct tttttaaggt ttgaagta 268

<210> 1248
 <211> 235
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1248

tttggtgacg atgccactac cgaggagaac cacttgggga tgtatcacca caattcgtat 60
 catttggttac tcaaaccacc acccacataa aatttttggg ttattggtgg aggtaccaac 120
 gccttaaatgt atggttagnng ctattcttgt tttatggctt ctgccagccc tttgttttat 180
 aaaaatagat tcaatcaaac cacgcatata ctgagctaatt ttgataaatc ataaa 235

<210> 1249
 <211> 91
 <212> DNA
 <213> Glycine max
 <400> 1249

agcttgtagg gttaggaatg gcgggtaaga ttagagagag agtcaagtaa ctgtgaagcg 60
 actttattct aacagccgcg tgacatgagc c 91

<210> 1250
 <211> 132
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1250

tcacanaagt ttgtatggct tgaaacaagc accgaggcag tgggtacaaga agtttaatatga 60
 gtttatgagc aactcaggat tcaaagatg tgacatgcac cattgctgct atgttaaaaa 120
 atatactacc ac 132

<210> 1251
 <211> 374
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1251

agctntataa gtgcgggtct gngagacgaa tgtcaagtgt ttgcgatatg tgaagatgat 60
gctccaagta cttcggattt ggttcgacca tgccctcctg atttccagct gngaaattgg 120
cgagtggagg aacgccccgg catttacgca acaagcataa tgtaaaccctt tacggattta 180
aaagctctat agttgggcct aggcctttaga gatttcattt tgctaaggct ctgtgtcttt 240
tgtttttgaa tttataatac aaggatcttt cttcatctgt tactggcttc taccattct 300
cattcatttg catgcttact tctttttctg acacggcaga ttcgatgacc gagccccga 360
agggactaat acct 374

<210> 1252

<211> 365

<212> DNA

<213> Glycine max

<400> 1252

tgtaggatta tgtggtaccc actcacatgt ggtactaggt ggcgctcggg cgatggtgca 60
caacaagttt tccacattca caatgcgcgc ataaaccac catcccctgt gtggcacctc 120
caactgagct cacgtactcc cacgtagccc atatactcgt ttctgtcaac accgtgtccc 180
catcaatcct cccaagctta cacaacattc aagcacaaca acattcacac acgccaagct 240
atcacagtca agcagaacag agcacaggca gaacactctg ccaaaacacc aaccagatca 300
cagctattct cactcagcga cccagtaac aataccttcg ctccaattcg ataaccgctg 360
gatcg 365

<210> 1253

<211> 201

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1253

tcaccggatg atgccgatcg tacatttntc aatcgacttt atccaattgt tattcagggg 60
ttgaatagaa tatacaatgt ccgttgctgt tcgttatatg gccccgactg atatctttca 120

gacgacattg cgcaatttct cttacaaacg ctggccgata atgttttttt atttacggta 180
taggaagttt tttgttttgt t 201

<210> 1254
<211> 391
<212> DNA
<213> Glycine max

<400> 1254

tgcttgtgga gcttctatgg aggctggatc ttgagcttct tgaggtcctt taatgggtgat 60
tttccaccat ggagatgcag tggaagacaa aggagaagag gtaagaggcg ggcgccatcca 120
ctaggggaata agccttggaa gaaggagctt caccatcaag atgagccttg gataagaagc 180
ttggagagga tgcttcaatg gagggaaaaga aagagggaga gaaagagaga ggggggagca 240
cgaaattgaa agaagataaa gggagagaag ttgaactttg agttgtgtct cacaagactc 300
tcattcatca aagttacaac aagtgttata catgcttcta tttatagact aggtagcttc 360
cttgagaagc tttcttaaga aaacttcctt g 391

<210> 1255
<211> 326
<212> DNA
<213> Glycine max

<400> 1255

gcttcttttag aggcttactc cagatgcttc attatgagac ttctagcact ctccatacat 60
cttctcatag atcccatcgg acagatcatg gataggtgtc ttggtgatag ttgaagcacc 120
atgtctcaag acgatccaac gggttactgaa tgctggactg ctgttttacc gagccagctt 180
catgtaactc tctgtcgaag cttcattaca aggcttctac tataggcttc ctctgtggctt 240
cgttgagaag ctgtgtccag aggcttcttt gtgaagctac attcttatct atccaccctt 300
ctattaacta aattagctta cttaat 326

<210> 1256
<211> 411
<212> DNA
<213> Glycine max

<400> 1256

gcaagcttga gcattcaata tccctgatgac ggtgttccat atctcctcaa cactggacta 60
 atacatttga ggactaaggt tcatgggtctt gcacgtgaag attcttataa gcatcttaag 120
 gagctccata ttgtttgctc caccatgaag cccctgatg tccaagaaga tcatatcttc 180
 ttaaaagctt ttcctcattc tctagaggga gtggctaaag attggctata ctaccttgct 240
 cctaggtcca ttttcagcct gggatgacct taagatggtg ctcttggaga aatttatctc 300
 tacatctatg gacactgcct tcatataaga catctcatgc atcatgcac ttattgggga 360
 gagcttgctt gattactacg aaagattcta caaattatgt gcaagtatgc c 411

<210> 1257
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 1257

tctgattcta gtaatgatcc atgtggcgct cctaaataat gtactgggta ataataataa 60
 attaaatagc aaaaactatg ggattctttc ttttctttt ctcttctctc tctttttcat 120
 agcaattaaa ttcataagga atattatcac tatagagtcc tgaatggcct gttcacaact 180
 ctatgcagag tcatttcttt ctgatcactt gtaacctca aactattttg ctctttcaaa 240
 agaaaataaa ccaaccatcg tttatgtcgc acgtgagaaa tataaaatgc ggtcgataac 300
 tctttcaata aaatttgtaa cactttcttt caataatata tagtggcatc agagc 355

<210> 1258
 <211> 306
 <212> DNA
 <213> Glycine max

<400> 1258

atggacttac cttgaattaa tttctttgat agcctgttg agcctgggtt cctatcctt 60
 gtttagaagc tcactacaag ccttaagtga aaaaccatga tattaccata tccttaagga 120
 attttgagc tttggaaatg ttttgggaat aagagtgggg ggtttttgtt tcattggaca 180
 acttggtctg ttggctatgc tttatgatgt atgttgggcc atacttgatg tacattgtat 240
 agttggtaaa tgttgacat gctgaatgaa atgttgttct caaaggtaaa aaaaaaata 300
 aaaatt 306

<210> 1259
 <211> 470
 <212> DNA
 <213> Glycine max

<400> 1259

tgacactata aaactaagct tccataggtt attccaagat catgatgaag accaagtcaa 60
 cttgtgtctc atgacaaaat ctcatgagaa caacaaagaa gaatctgtaa ggaagaagtg 120
 gtacatcgac agtggatggt ccaagcatat gacaggagat gtatccaaat ttacaaccat 180
 ttctcctaag aaaagtggac acgttacata tggcgacaac aacaaaggca aaattattgg 240
 agtcggtaaa ataggtacga gttcttctac tcctattgaa aatgttatac ttgtacaagg 300
 tttgaagcat agcctattaa gtgttagtca attatgtgat aaaggatata aagtatcttt 360
 tgattctgaa aaatgtgtta ttaagaatga gcatgataaa gatatcgaac atatatgggt 420
 cagagaatat aatgtctaca tgattgattt ataacaacaa cctgatatga 470

<210> 1260
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 1260

gttgaaagac actattatat atatacttaa acatatgcga atacaattaa ccaccgagca 60
 taagccacca ttatgaaacc tgccttgcta tgaaaacaaa agggtgcaaa tatttttaac 120
 aattttgaaa tggataatta gggttgcaag gaggcccgag aattataaaa tcctgtaatt 180
 cgtttaaadc atctgttgat atagacaagc atgcggaatc atgttaaacy attctactgt 240
 gatttgata tgatagattt atttctaaat acttatcaaa catgtaccac aaatgtggta 300
 tggagcatta cttagattgc attctgatcg catatatcac attacagtgt a 351

<210> 1261
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 1261

ctcatctatc tccactatgt tgcctaagtc ctgaaatggt atttctgatg gcagtgttcc 60

taaatgtagg gaagaatttc tctaagaaca cccgcttaag gtcaccccag ctgaaaatat 120
acctgcgagc aagggaatat agccaatctt ttgcactccc tccagagaat gagggaaaagc 180
ctttataaag atatgatctt cttggacgtt atggggcttc atggtggaac atacaatatg 240
gaactcctta agatgtttat gaggatcttc acctgcaaga ccgtgaaact tacgcagcaa 300
ttgtattatt ccagtcttga gaacatatgg aacaccctca ttaggatatt gaatgcacaa 360
gctttcataa gtgaaatcag gtgcatccat ctccctaaga gttctttacg aggtggaggt 420
tgaccatgtt ctt 433

<210> 1262
<211> 193
<212> DNA
<213> Glycine max

<400> 1262

ctttgactct ctcaagatgc ttctttacat aggacgctg tgctagacct tctttatgct 60
tataaacata agcattaggc ataggcaaaa gatctacagg agttagaggg ttaataccat 120
aaacaacttt ccaatgaaaa ctactagagg tgctatgaac agctatattg ttgcaaatca 180
ccatggagta aac 193

<210> 1263
<211> 366
<212> DNA
<213> Glycine max

<400> 1263

agcgtctcga tttcttatgc ggctgggctg gccatcttta cttaatggtc tgacacgcga 60
gctttgtcca gagctctcgc tgttcaatat gcacgttttc atgacgtctc gcgcgggctt 120
atagcctaca ccagacatgc cacgaccatc ttgagcattt atgaggctcc gtatgccaac 180
ttcgtgcgtg cctatacaca ttgcgggtta ataaccgttc cccaacataa gtcaggacct 240
tattactgtt gcaagagcct gacaagggtg accacaaacg gattcctctg ttgagctgct 300
gactacctca tatgactgga aagtgggtgac tatcgaattt tctgcagatc ccacataagg 360
cattta 366

<210> 1264

<211> 152
 <212> DNA
 <213> Glycine max

<400> 1264

ttctgggagg caatttactg gagtcgcact ccaacacaat aagttcttat ttctaattca 60
 tggtagaaga acatctactt tcgtttgccc ataagaatga gcttgtatac aagagctatg 120
 gtgatgaaaa tgtacactgt gatttcactt ct 152

<210> 1265
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 1265

tgcaacagca tgctatatac acatctttat attcatgagt gtatgattag atttcgaaat 60
 acggtaccgt tgaagtagat aaatgtatct tccttggaat tacaattgt ctttgtctga 120
 aattgaacat gtatttcttg gtccagagtt tcgcaagtca aatgactctg ttgctatatc 180
 ttatagaagt gcacttcttg agagaacttt attttataaa ttgaatgaat tacgaattaa 240
 aagaaattta cgaattagaa gactaaaaga ctacttatt gaattctata aattaacaaa 300
 cttacgaatt gtaagaaata aagtttggaat ttatcagaac tgaataagtg attaataaaa 360
 atatgttatt tagcaaaagg agata 385

<210> 1266
 <211> 197
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1266

ntagcaactc tntcttntg tttagtcaat acttctaagt ctcttaattc ctctcatct 60
 aaatcaacca actcatctga catcattttc caataatggt cgattggaat gtccatttgt 120
 tnttgtagcc tggctgattg caaatgtatt tcgaccggaa gtacagcatc atgcccatta 180
 atctatcgaa taggggt 197

<210> 1267
 <211> 385

<212> DNA
<213> Glycine max

<400> 1267

agcttatccc tagaggggat ggaccttttt atgttttga gaggatcaat aactatgcct 60
cattgttga cctcccacaa tagtatggag tctccaccac ttttcacaat tctgatttaa 120
ctccttacgt aggcggagct gacattgagg aggaggaact aacatgattg atgtctaatt 180
ctcttaaagg gaaggggatg atgcaatcct ccctatgaag ggaccaatca ctataaccat 240
gatcaagaag ctccaaaaaa gattgagcta aagctgatga ataacgcct agggttctca 300
tgaaccttac ggacattttt gagcccatga gccaaagggtg cgtccaatta tctttgtaca 360
tattacacta ggatgccata atatt 385

<210> 1268
<211> 415
<212> DNA
<213> Glycine max

<400> 1268

agcgtctcaa tatattattg gcctgaatca gacatccgaa tcaaaagtta tggctgttta 60
actatgccat gtgcttccat gttcaatttt gagcatctcg atatattatg cacctgaatc 120
gggcatctga gtgaaaagtt atgccatatg agttagccga gagcttcgtt gttcgatttc 180
gagcgtcatc gacatattat tggcctgaat cggacatccg agtcaaaagt gatggcagtt 240
taaactttac atgtgcttcc atgtttaatt ttgagcatct cgatatatta tgcacctgaa 300
tcggacatct gagagaaaag ttatgccata tgagatagct gagagcattc gttgttcatt 360
ttcgagcgac tcgatatatt atcggcctga attggacatc cgagtcaaaa gttat 415

<210> 1269
<211> 334
<212> DNA
<213> Glycine max

<400> 1269

agcttcatga tgaatcaaga ttgattcagt gagttttgat gataacaaag atgatgacaa 60
agagctcaaa agtcaagatc acttcctgat aacaaagatg atgacattca agaattgagtt 120
caagattgag tcaagaacac ttcaaggatc atgagcaaat ttgatttcaa gaatcaagaa 180

tcaagattca agattcaaag attcaagaat aatcaagatc aagattcaag aatcaagaga 240
agacttaatc ttgataagct ttataaagtt tgtcagaaca ttgagtagca caagaagttt 300
tcacacaatc attaccacag agtttttact ctct 334

<210> 1270
<211> 400
<212> DNA
<213> Glycine max

<400> 1270

tctacttatg tggcagggcg ggcttccttc accttcttgt ctccaacgcg aactttgacc 60
actgttcttc cttcccgga tgcttctttt catgtccgcc tgagtgggct tatagcctaa 120
accatacttc ccacgatttc cttgggtatt tatcaggcta gttatgccgc cgttggtttt 180
gcctaaaccc atcccggtt cataaccgtt cccaacata actcgggcca tcattaccgc 240
tgcacgagac agacaaggct gcccaaagag ggagtccacg gaggaatgc tgaccacctc 300
aaaagactgg aaagcagttt ctaacgattc ttctgcggct tccacataag gcatggagga 360
tgggcagctt accaagatat cttcctcgcc tgacacgatg 400

<210> 1271
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1271

gcttataatg tcttacggga aataaccac taacacacac aagggccata agatcaagtt 60
aacatgctta aaaaaacttc ctttaattctt tattatatat attaacataa attctttttt 120
taatttcaag aaaacatttt cacaatatat aatacatttt ttaaaaaata aatatagagg 180
tgttacactg gtggttgga gcataggttg aggtggtagt ttatgactan ggtaataatt 240
ctcctacaaa tgagctatac tattggaata tatatttcta caagacgggtt ggaatatgtt 300
agagagatta aatgttacgt tattgctata aggattgggt tgatatcata aaaaattgggt 360
gtagtgaact ttcacgcat agtttaaaga catcacaact aaaactaaca cgagtgttgt 420
attaatgtct taacatacgt cttaatcaat 450

<210> 1272
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 1272

ttgagccaaa atcctaactc accatatacc ttgacccatg gtgagaatgt caatccttac 60
 cctcggaagc aaataataat agaatgaaaa tatccaatca aagaaaaaaaa aaagagaagg 120
 aaaatttcca atcaaagaga aagcaaaata aaaaaagaga gaaggaaaat ttccaatcaa 180
 aggaaaaaag ataggaaagg aaattcccaa tcaaagagtg ggagaaagcg aaaagaaaag 240
 aaagataatt cccaaccaa gagtgggaga tagtaaaagg aaggaaagat agctcctgat 300
 caatgattga aagacatcag aatatatgtg cataaaggtc tttggaccgg acaatatctg 360
 tacaatacag aattgtcacc aaatgaacaa aataaaaagg gaaaggaaac catgacctga 420
 aatggtct 428

<210> 1273
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 1273

gaagaaattc atatggtcat aactattcac tcggatgtcc gattcaggtg tatcacatat 60
 caagacgctc gaaatttaac aacggaagct ctcgataaat tcaaattgtc ataccttttc 120
 acacggaggt cctatttatg cgcttaatat atcgagaagc tcgaaattga acaacggaag 180
 ctctcgggaa atcaacatgg tcataactta tgactcagat gtccgattat gcgaatcata 240
 tatcgagaag ctcgaaattg atcaatggaa gctctcgaga attccaatgg tcataacggt 300
 taacatggag gtctgaccat gcgcataata taatgacacg cttgaaattg aacaacggaa 360
 gctcttgaga taaccaaattg agcattactt ttcacacgga 400

<210> 1274
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 1274

gcttataatg tctttacggga aataacccac taacacacac aaggccaaaa gatcaattaa 60
 acatgcttaa aaaaacttcc tttaatgttt attatatata ttaacataaa ttcttttttt 120
 aatttcaaga aaacattttc acaatatata atacatttct taaaaaataa atatagaggt 180
 gttacactgg tggttgggag catacgttga ggtggtagtt tacgactaag taataatttc 240
 tcctacaaat gagctatact attggaatat atatttttac aagacggttg gaatatgtta 300
 gagagattaa atgttaggtt attgctataa gtattggttt gatatacataa aaaa 354

<210> 1275
 <211> 407
 <212> DNA
 <213> Glycine max
 <400> 1275

tcgatcatcc accaccgccg ccaccatcat cttagaatta tattttaata ttattactac 60
 tttgattttc agccttgat tttggctata ttattatggt atgtgaacaa ttactatatt 120
 ccttatttgc atggtatgtt tggaccaatg ttaagtatgt tatttgacta tgtggagtgt 180
 ataattaatc tattcatggt tgtatgctcc atggttttca tggttcttgc ttcttgcttg 240
 atgatttgggt tgatattttt ttatgaacat tgaatggatg tttaaattaa atttgtttga 300
 tacgcactgt ggctgtttgt tgatcccaaa attataatat atgcacagat tctgaaacaa 360
 agggggagaa tctatgtgag tgatcgacta ggagatagtg tgtgtgt 407

<210> 1276
 <211> 292
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1276

gcttaaccta tcgtctgnac agtctttata tttgggagcc aatccaatcc ttgtgttcgg 60
 actctcagcc acttatgata gccgccgatg atcccattac ggcttcccct aagctctctg 120
 tctttttcttc acgccgcac ccattgccttg cgaactcctt ggagtaccct cgcgttgttg 180
 tcactgaaac cccgtgcgat gaaaggcgtg atgctatcgt ctgatggcac tcctctcatg 240
 aggtagccaa gctgtcttat ggcgaggacg ggattataat taatacaacc cc 292

<210> 1277
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 1277

gtgacactat atatactaag ctttataatt atgcacacaa cttcaaatca agccccgact 60
 atgggtggctt tcgaacaaac aaataaaaaac ctttcgctca atggcgcatc attcttaata 120
 aattctaaaa aagaaaaaaa aaagtaagag gttactgtat gagttcttga aagaatgctg 180
 ctgcgtataa aggtgcgtct gcaatgagag aagggatgag ctatattatt atattggtgg 240
 agaagatgga agaacctcgg tattgggaga ggagggggaa caggtaaagg ggtctcttcc 300
 ttcacctcca tgctatacca tattcatttt acttttatca tatgatgtct catgatctaa 360
 tcaaatcctc tttaagaagt taaatagaat ataaaaat 397

<210> 1278
 <211> 488
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1278

gagatgaacc tcgagacccg caccttaaga caccgcggc atgcaagctt gtacgataat 60
 tgggtaccca tcagtttgtg ttactatggt ggagaatgga cacacggctc tcataaatat 120
 aggctcattc acattgcgcg cagaaacgca ccacccctg atgccacca acaactgagc 180
 ttacgtactg ccacgtagca catatacag atgatcttca cccgggacct cagaatacct 240
 cccagccta caaacctcct aatcctacag cgttcaaaca gtactagcaa tcacatccgc 300
 gctatcttga tgccgggctg ggaacaatgt tcgcacataa acgaagatac ctgttatctc 360
 tttaaggacg cacagaagca ttctgaaata atgaacnccg gtgggagact tgagttcaaa 420
 ctgaagccgt atagtctact catctacggc tcacgagatg acgggggaaac cccatagtaa 480
 aaagtttg 488

<210> 1279
 <211> 455
 <212> DNA
 <213> Glycine max

<400> 1279

agcttataag aacccaaaatg ccttaatcat ttccatatat gcatgtgaat taggacgcat 60
caacaagaat caagccaagg ctattgtgca agcaatcaat ggggcaaac acaccaaag 120
attataatga tggatggctc aaattctcac aaaggtaaaa tcatcacttt caaattgagc 180
tttcaaaact atcatgacat gtagagaaga atcaaggatt tcaagtcaca aaatgtcaag 240
aactttttatt ttcaaaacaa ttaccatttt cttgaacata tcctataatt caaagaaaaa 300
catgcaaagt cgtacgtgca cacaaaattg acccaaaata ttaaaactgaa aatccgacga 360
tactaacagc attaacatat taacacaact aacaaattta acaaaccaac ataactagca 420
aaaccaaga acactctccc cccccccccc atact 455

<210> 1280

<211> 486

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1280

tctagccaat ggacttacct cgaattaatt cctttgatag cccttttgag ccttgattcc 60
ctttccttgt tttgaagctc actacaagcc ttaagtgaag aaccatgata tcaccatata 120
cttaaggaat gttggagctt tggaattggt ttgggaataa gtgtgggggg tttttgtttc 180
attggataat atgttttggt ggctatgctt catgatgtaa ttttggcca tacttgatgt 240
acattgtata ttggttaaatt gttggaaatg cggaatgaga tgctgnttct caaatgctac 300
agagtattaa aaatataatt aaaaaataat aataattaaa aaatcgaata agaacaagat 360
aaccaagaaa gttgagtga taagatctta aatggaatat gaatgatgag actgcttgat 420
ctactctcta tgggttaaatt ctatctttat gtcttcttat atttctctat atatgcactt 480
attccc 486

<210> 1281

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1281

gagcttctta tccaaggtc atcttggtgg tgaagctcct tcttccatgg catattacct 60
agaggatggc gcctcctctc acctcttctc ctttgtcttc cgctgcatct ttatggtgaa 120
aatcaccatt aatggacgtc attgaagctc agagatccag cctccataga agccccacaa 180
gcaagtctcc atcaagtggg aatcaaagca caagagcttc aagtaggagc tccttatacc 240
tacattaatc ttttttcttt accttctctt ccattgttgc ttcttcattt ttctccatgt 300
atctcctcac attgcttggtt atanatgtcg ttaacatgat tncttatagt ttccaccaat 360
taaacttgct atagaaacta atttgaattt ctatggttca aattgttctt gttcttgaac 420
catgaatt 428

<210> 1282
<211> 413
<212> DNA
<213> Glycine max

<400> 1282

tcagaccaca acaacacaaa atctaggtat ccaaaacccc tcaatttaat ggattttcaa 60
ggtttgagaa gtgaaattga gaatgaggta aatttgagc aaactctcac ctacacaaag 120
tctataacat caatttaaac ttgctcaaac tggatttaca cctaaaattc caccgaatca 180
aaatttgact cctcaacacc caattttacc ctagaaatgg ctctttgttc actttggtca 240
tttgtttttc tctctgttac agcccaagct ttctcataag tgctaaatga catttcaagc 300
taggattaac tcaatttaac ctccaaatgc cactaaatcc agatatggcc ttccaactct 360
caaaacccta ctctttttcc actcataaca ccatattctc actttctaac cct 413

<210> 1283
<211> 196
<212> DNA
<213> Glycine max

<400> 1283

aggactggtg ttttactgca ctgcgggttag ggcaccatgg tatgggaatc gcatgactgc 60
ccatttggtg attatggaca gaaaagatcc atggaaacga tacctagcag gcacaccata 120
cactggaatc tgatgcacca atgaagcgta ctaagggtgc tcacattcac attcacgttc 180
tcatectctt acacat 196

<210> 1284
 <211> 574
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1284

agattatattt atttttcggg antnacgtta nntnnttacc gcacgcgctt tgataccctg 60
 ctatccgtga cacttcagag tactcaagct ctcgtatcac ttacacaca cttcctgata 120
 gcgccgtctt aggtggcttg caaacgaaca taattaaccc cattgctcct aggcgcacta 180
 ctctcaaaga attgcaagat agaagaaaac aagtaacagg gtactgtctg agctcttgaa 240
 acaatgctgc tgcgacataa ggcgcttcag acacgagata acgcatgagc tatatatata 300
 tatgggtggc gaagacggat gaaccttgga attgcgagat gagggggaac acgtataggg 360
 gtctctccct ttacctgcta gcaataacctg tatgtgcata ctttcatctt acgatgtccc 420
 atgatctaata ctaacccct ttagagccta actcattata agatcgatga cttttctctc 480
 aattagttat attaactctt aaattgtaga ctgcaactac gattttttacg cctacataat 540
 cttcatccgc tacgctttca cgattccctc atcc 574

<210> 1285
 <211> 190
 <212> DNA
 <213> Glycine max
 <400> 1285

tctaaaaaga ggcaaactctg atcatcatgc tttgataaat gcaaagaaaa aaaaaaaaaa 60
 actacggcaa atgaagaggg tgagaatgag ggagaagccc atgctgtgac tgccattcct 120
 atacagccaa gttgtccacc aaccaacaa tgtcattact cagccaataa acaaaccttg 180
 tacttaccca 190

<210> 1286
 <211> 378
 <212> DNA
 <213> Glycine max
 <400> 1286

ttcaggacct tgaataactca gcttgataag gttccgcgtg gatcgctgca aaacgaaggt 60

gcgaaccttg cttcgattgc ttggagaatg gctgaccacg acgtgatgaa attgttcctg 120
 aacatccatt gaaaccagct gagagcttgt ccatcgaagt aaaaagaggc cactgggcct 180
 caaagaatcg cgatactttg aagatccatc ctagaggatc gtggccgtca aagcggggca 240
 cgtcaagctt gacagctggc tgtgggtgtg gagaatgttg ggaagacgct ggtgaggcaa 300
 aagtaaggty ggagagacgc tcgcaccatg cttcgaactt attggccaag tcggagtgct 360
 tctcgagag ggctgcta 378

<210> 1287
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1287

agctntacct tcacgaacac ataatttcat tattccatta atgcatcaca cggctactcta 60
 ttagaaaatg gatctgttac tctgtgcctg caaggactgc tgacccttcc acctgatagt 120
 ttatcgcac agatagacaa aatatatcat gagatataag tctctaagtt cataactaga 180
 gagagccaca cagtctaaat aagcaaacta accatgaatg caaaaacaaa tattgaaata 240
 aataatacca ctattatgtg tagtgcagct ttccaacttt tgtacctaac tgaaggagac 300
 ttgtcaatca cttgagagcc tgtagcagat gcaatactgt aatgaatgaa gcttcacgt 360
 gagaactgtg gtaaaaccta tagtgacaga caattagtca tcattata 408

<210> 1288
 <211> 406
 <212> DNA
 <213> Glycine max
 <400> 1288

tgagtaagcc tctctaagag agaataataat aatcttatat aagtctctat cctcaagcat 60
 gagtgaagcc ccgtagagcg agtctatctc aatacaagag tgaattcact ccttggagtg 120
 aggaagctat aaagtaagag agcctctatg agagagaaga taaatttttt gggatagact 180
 ctatcctcaa gcttgagtga gtcaccatag aatgagtc aa tttgttaac acatccttgc 240
 taccctacta tcacattgta tagtggaaga atctgcatat tggagaatta taatcgtgtg 300

ctcccatgac tactcttaat tactaagtgc ctattttaac ttacgaagc gggatagtc 360
 gaatattcac tacaaagcct gtatataaaa atacttcacg catgta 406

<210> 1289
 <211> 273
 <212> DNA
 <213> Glycine max

<400> 1289

tcttgtaaat ttagttaaat atcgacctt aacgagttat atacatatcg agatattaac 60
 ctgattacat ccatacctcg taataacaat gtaataacct cagagagaaa aaatgtcact 120
 aaaaattacg ttacttgaat taatgggcat cactatattt gttgggtatta acacaaagca 180
 cagtcactga aacagaccaa gttaataaat agtgacacca aattacactc actacttggt 240
 ggagggtgaa ttcataggta acactatatt ctg 273

<210> 1290
 <211> 255
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1290

agctntgcgg tggcgggtgg cggcaaacaat ggtacgccga tggcgtctat tcgtcgcgga 60
 cgtacggatg gcttccggat caacttgatc cgtaagctac gaatcaagtt gatccgtaac 120
 atccttccgg atcaagttga tccgtaagtn ccggatcaac ttgatccgta agcgtattat 180
 ttttggtatt tgcacggct tttgcatttt tgccctctgcc ttttcattta tttccctttt 240
 tattttaaac tacta 255

<210> 1291
 <211> 463
 <212> DNA
 <213> Glycine max

<400> 1291

ctgtcttgac ttatttatac ccatacccct caatattata ctataatata tatatgtaca 60
 ctatgatatt gttgagtcta attaataatc aaaatgttat tgtgtattgc ttgatttgtc 120
 acatgttatt gatgtgaaat atttatcaac tttagtata agttaatgac taattgctat 180

tgacagagtt ggctaaccac atctatcagg gtctattccg aactattatt ttccatacac 240
 aagtagtggc aaagtcaa attttttttaa tggggtgaaa aaatagttat aatattttca 300
 tagatgaaaa ataatatgag ttttattaaa atgggtactaa aggaattaga aatggtaaaa 360
 attaaaaagg gtaagtggat aaaaatagta ccaatttatc tatttttact tttaactttt 420
 ataacttttt atattcatct tttttttaag aaaattatct tat 463

<210> 1292
 <211> 460
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1292

ctattacgtg agactataga atgactaagc ttccaacaag tttcttcaca tatgactatc 60
 atgaagcaga aaactagcga gagtacccat catatctccc aaagcccat acccacgaaa 120
 tgtaagagag aaggatgtgc acccaaacct gaaatttcga agtcccactc gtagccacgc 180
 acttcacgac tccgaaaatg cctctctttt gcgatatggg gcagagatga tggccaaagg 240
 gtgaagcttt gcttggagct tcaatggaga atgaagaaga agataatggc aacgtgaggg 300
 agagagagag ctgtctgaga agtgcggggg ctgagtgaag agagagacaa gctctttggg 360
 tttaaataaa aggggtgtgt ctgtttctat tattgtatct aagctatgcc gcatgtctnc 420
 gtttgagtgg agcaataagg gcccaactta ctttttgact 460

<210> 1293
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1293

tcttgataaa tttagttaat tattgacctt aaacgagtaa tatacatatt gatantttca 60
 cctggtaaca tccatacctc ataaaaacaa tgtaataacc tcagagagaa aaaatgtcac 120
 taaaaattat gttacttgaa ttaatgggca tcaatatatt tgttggtatt aacacgaagc 180
 ataactactg aaacaaacca agttaaatat tagtgacacc aaattacact cactacatgt 240
 nggtgggtcga attcataggc aacactatat tctgggtggtt aaatttaatt atcacaggtg 300

ccaccttacc acaatattac aaatattaag tgcaataaac cacatatata gtgcactaca 360
ttccaacact tgatatatta cagaatttct act 393

<210> 1294
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1294

gcttnctaga cgcctactnt agatacaact agatcagaat gcacccctcca cagcaggaga 60
aaatggcatt catcattgaa gatgccaaact tttgctatag ggtcatgccca ttcagcctaa 120
aaaatgcagg cacaacataa caacaactaa tggaccgagt cttcaaaciaa cagataggac 180
aaaatgccga ggtatatatg gacgacatga ttgtcaagtc tcaaactata cccaacatg 240
tggtggacct ggaagaagtt ttcgggggaac tacgaaaata cgacatgcgc ctcaaccttg 300
aaaaatgcac tcttggggta ggcaaccaca agtccttcac tacagcactg g 351

<210> 1295
<211> 501
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1295

tgaccttcaa actaagcttg taaattagga ctttctctca gctgtcacac tccctctgtt 60
cataattctc aatgaagttg cagagtgaata aaatataatg caaaaggcta ataaaggttg 120
gaccgggttaa taaggattag gtttatatga cttacaagaa ccttgctaac ggacgatcaa 180
taaatatctc cataatgaca ttctttgagt cctaagacat atcgtgtaat gccctacaaa 240
aagacctaag cttgcaccta atgagaaccg ttgaacttaa gtctatccta ggtcggccta 300
ttaatttcag cccaaaatga aggatgacga atggataagt gagctntcct aagttgtaga 360
gtgataaaat ataatgcaaa aggctaataa aagttggacc agataataag gattagattt 420
atatgactta caagaacctt gctaattgtac gatcaataaa tatctccata atgacattct 480
gagtcctaag acatatcatg t 501

<210> 1296
 <211> 343
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1296

aagtttgaat atgatgtata agaaaatgaa tgtgaacctt tctccccttt gaaagacttg 60
 taaaaaaaaat gttttaaaaa tacttttaaat taatatctga attttttttc cttattagta 120
 tatatgtgag gggtagaggg tgccacatcc tgcagcaaat aatgtgcaat atcataaccc 180
 ctaaactgta tatatcaact ttggcaatta ttggtgcact ttntagccat tcaggtgcca 240
 tgtaacctat tgttcctttt aaattagtggt ttgttctagt ttggtctttg agtaatagct 300
 tggaaagcca aaaatctgca atctttgttg tgtgattggc atc 343

<210> 1297
 <211> 468
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1297

atgagcaact tataggagtc ttcacggctt gccagcttca cctgtcattg aagagcaacg 60
 acactcgtcg tagaggtgaa agaggactta tatttcaaaa tgccatcgat catccaatca 120
 tagccaacaa tggcagggtg ggacgatgtc gacccaacgc tatggatatg tcacacgaag 180
 ggagacgccc tgacatctnc actaccacta cctctcctca caccccaaga agtagaagag 240
 gaaaggatca caataaccaa ggtaggcttc ctggaagtag tggaagaccg cgccctcccg 300
 tgagggcgag aagtaccccg accagtacaa cacaaatccc tcaccctctc cgaagaggag 360
 gacttattgt aggaggcacc ataatgagta tcttttgatg aagaacgcac caaagagatg 420
 acctcccacg ccatcatggg ttgctcaatt gagcccctag aatcactg 468

<210> 1298
 <211> 60
 <212> DNA
 <213> Glycine max

 <400> 1298

gagcttgagt ctgatttata tattacatat catgtagtag tatctgtgcg tgagacctat 60

<210> 1299
 <211> 131
 <212> DNA
 <213> Glycine max

<400> 1299

atccaattca atatacctacg aaataatgca tcaatagagt atatgcaatc tatcataatg 60
 acaagttaat gggaacgaac taccaatcag taatttgcag agaaaagaca tcatctgagt 120
 cctaactagg a 131

<210> 1300
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1300

catatgtacg actacggggc cgttcgccac ggacgaccag aaggcttcca gatccacaag 60
 gcgccgcaaa taccaacaaa gtctgatggc cacctccaac tggactaacg gactcccacg 120
 tagcccatat cctcgtnata tctccaccgc ggtccccatc aaatctacca aacgttcaca 180
 acatccaatc agaacaacat gcatacagca catgctatca caggcaacca aaacagagca 240
 catgcagaaa actctgctca acacaacaac caaaaacaca gctcttctct cttaaggacc 300
 acagcaacaa tctctccga tccaacacgt aaaccggtgg aacgactccc aaattatact 360
 gggaggtcta tatggcaciaa ggccactttg gtgaccgttg ggagcagaca gcaaacaatca 420
 cgaacacatt acgtgccg 438

<210> 1301
 <211> 167
 <212> DNA
 <213> Glycine max

<400> 1301

aaccactgtg aggttatcca ccacaatgat gttaccaaact ccagactcaa actcgagatt 60
 cttctcctgg taaaccacct cgatcatcact gtaaaaaaag aaaagagtca gaaaagcgca 120
 cccctagggt tccgtttcag gggccagaac ctgaaaaggg cgaagta 167

<210> 1302
 <211> 341
 <212> DNA
 <213> Glycine max

<400> 1302

ctgtcaagga gcttactagt tgggtatgtt tcgtttaact gacaaaagtc acatattctg 60
 tatacttgaa gtttttttta tataaaattg catattcgga aaaaaattat tcattctcat 120
 tccttaaatt tgatgggtta cgtgtatctt ctgtttactg attattaaca aaatatttcc 180
 cgatgagaaa cagttaatga ttgtcactct ttcctttggt tttttataca agagacaaag 240
 aactaattcc caaatccaat gaaagtagtt aataaattta caattctaata ggcaattgta 300
 attattaatt ccaatatatc catataatta agtgttctat t 341

<210> 1303
 <211> 315
 <212> DNA
 <213> Glycine max

<400> 1303

ctgcagctaa caagctgtgt tatagagtgt gtttggcctt tctgactgaa aaagcgtttt 60
 aagaatcttg agcttgacct ttataactaaa caagccaagc gaagttgagc cttaaataatg 120
 ccgagccaaa tgccttgac aagctgctca ggtcatttcc atccttaccg acaatcacat 180
 cgatagggat tataacttcg ataagggcct tcttctcact cttcctcacg ctcgatatgt 240
 tataatctcc aaacttgagt tgacaacaat ggacacaaat agcgggatgt taagttagtt 300
 ttacggggat atcaa 315

<210> 1304
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1304

tattaactct atacaagagt gaagctctga taccacttgt tagacaattg gcctcaggta 60
 tcttaaaaag gggggtagaa ttaagatata caagctgtcc cccaattaaa atttaactgt 120
 ctcttttatt aacaatgcaa tcctctatta tgaattactc taagaacaat tcaaaaacaa 180

acttctttaa agcaaaatat aaacaataat aaataataga aattttaaggg aagagagact 240
 acgaactcag tttttataact ggttcgacca cagcctgtgc ctacgtccag tctgcatgca 300
 acccgcttaa gagttccact atcttgtaaa atacctttta caaagtctga agcacacatg 360
 aacaaccctt cccttgcgtt caaaaacctt acaacttaag agaacatcgg tactttaatc 420
 aatctctttg agtgagaata agaagaagac ttctctatnt aggagaaaga tat 473

<210> 1305
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1305

agcttatcac acgtttcaac atatataaat ttatgtgcta tatttatgga tgtttccttg 60
 aaataaggca ttgaaaaaca ggttttcttc acaattatat ctgattgtcc atcagatttt 120
 ggctatacag attggtaact tcatcatgag aatcagtggg atatgccttc ttttaatgct 180
 cgccagggac caagctgttc ctcacgggaa tgaataacac caatatgttt tattgcatgt 240
 tgtttcagtt gacatttctt caaagaaaat gctaccaagt gttgttataa acaatacttt 300
 cacggtcagg aataataaat atagaaaata tggtagaaaa caagaaanag attaanaagt 360
 aagtttaata atcatcacia tctannaata atttatatta tcaactaaat atcaaaaatta 420
 gaattgatat aat 433

<210> 1306
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1306

gtgagtatag caattgttta tatagttagt tctaaaattg acatagcatt tgcgagggat 60
 tcaaccattt tagctataga acctctagct gattatcctt ccccatatga aattcctcat 120
 gctgattcaa ctgaaccacc ttcacaagat aatagccctt ctaatggctc aactgaatac 180
 attgagttat attcaatgct attagaatat ttcgatctga ctcgttatgg agtagtggtt 240
 gatgggagga cagattctag ctctgtaagc tcttgacttg cctctaagaa ctggagttat 300

attaatttgt aaaaataata aagtgatgca ttaaattgtcc acatagatta tttgagttaa 360
aatttcaatt ttgattagac aacaacaaca caaaagcatc aatagaactg tatctgagtt 420
ntgtcaaattg gcaattaatt agcaactcgg ggatg 455

<210> 1307
<211> 347
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1307

agctttcttg agaaaacttc cttgagaagc ttctttgaga naacttcctt gagaagctag 60
agcttagcta cacacacccc tctcataact aagctcacct cttgagaag catccttaag 120
aagattcgta aagaagctag agcttagcta cacatacctc tctaatagct aagctcacct 180
ccttgagatg agaagctaga gcttagctac acacccccta taatagctaa gctcaccccc 240
atgacaaaaa acatgagaat aaaaaaaagt ccttattaca aagacaactc anaatgcccc 300
gaaatacaag gctaaaaccc tatactacta gaatggccaa aataaaa 347

<210> 1308
<211> 449
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1308

ttacagcaga atttagtaat gaccactaa cctagaatta aaataactta atgccattaa 60
cctaggggaat taaaacaaac taaatggctg agtgtaactg aaattgttgg caaccaaag 120
tcacccccaa cagccaacaa gtcagccacc atttggctct ccaaaggct gatgcctatg 180
ttgccaattg ggcccttatt acaacttgaa ctaaagccct tttagttgat taacccaaaa 240
catatttttg gtcagccaac tttaacagga ttggggcatt atttatacaa actaaacact 300
ctaaaattga aataaagtgg tgtcatttag tctccattt gggccatgat acaactcaca 360
accttggaact tttctccttg aaacttgngc ttgtattcaa atagtatgga cagcacttgg 420
tgaagagncg tcttggctct ccttgctct 449

<210> 1309
 <211> 418
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1309

agcttcatgg tgaatcaaga ttgattcata gagttttgat gataacaaag ataatgacaa 60
 aaagctcaaa agtcaagatc acttcatgat aacaagatg atgacattca agaattgactt 120
 caagattgag tcaagaacac ttcaaggatt aagaggaaat ttgatttcaa gaatcaagat 180
 tcaagaatca agaataatca agatcaagat tcaagaatca agagaagact taatcaagat 240
 aagtattaaa aagtttttca gaacattgag tagcacaaga agttttcaca aaatcattac 300
 taaagagttt tactctctgg taattgatta ccagattata gtaatcgatt accagtgggt 360
 ntaaaacggt aagattttca aaattcanat gaagagtcac atttggtgat gtgtaatc 418

<210> 1310
 <211> 413
 <212> DNA
 <213> Glycine max

 <400> 1310

tatgctgcaa acatttacia tagacctcct caacctcagc agcaaaatca atcacagcag 60
 aacaattatg acctctccag caacagatac aatcccggat ggaggaaatca cctaattctc 120
 agatgggtcta gccctcaaca acaacaacaa cagcctgctc ctctcttcca aaatgctgct 180
 ggcccaagca gaccatacat tcgttcacca atccaacaac agcaacagcc ccagaaacaa 240
 caaacagtta aggctcctcc gtaaccttcc ctgaagaac ttttgaggca aatgactatg 300
 caaaacatgc agtttcaaaa agagaccaga gctccattc agagcttaac taattagatg 360
 ggacaattgg ctacacagtt aaatcaacaa cagtcccaga attctgacaa gct 413

<210> 1311
 <211> 506
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1311

acgattgatt gttagcgatc tagcacgcac ccagggatca tctgagncca cccgcatgca 60

tgcanacctt aggcttgtaa ttgctctcta ttgttgca gaagggcaac agtctgtgtg 120
 gtggatggtc gaagaacata aaccacataa tctggccacc agtgcagatt atgtgattca 180
 tggctagtgt gggtaccagg ttaaccaagg caattagttt accttccaac tttttaagtt 240
 actggtgatg aacactgaat tgcaggcaac ttcactcact cctctaata caataacatc 300
 actactggca ctaaattggg gggagaatga agcctcttct caggaaaatt actgcttcaa 360
 taggggacat gacttcaagg gctccaccac tggcagcatc tattatactt gttttcgtgc 420
 ttctgagtc ttcatggnat attggatgag aatctgctcc catattggtg agaggccaac 480
 tgaccataat cctcaatctc tctacn 506

<210> 1312
 <211> 465
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1312

ttcacctgtc tntacataat cagagccatc aacagacttc ataaacatgg taccagcttg 60
 agagttaata gaaaaattaa tgatgcatct ttgtttccga tcagtccatg catcggacat 120
 aatagtacaa ccatacttga cccattgctc cctatggcct ttcacaaat ttttagtata 180
 ttcaacttcc ttcttcaaga gtggaactct gatgtcatga tagctaggaa tgggcaaagt 240
 tggcccatat tgaccaatgg ctgcaaccat tttctcaaag cttttcaata taatgaggtt 300
 gaatgacaaa cttgcttggg accaaaagcg agcaatatgt taatgcacct ttcaatactt 360
 cattcttctc cattgactct cttatgttca ttgacctcag catctccatt tttctccgat 420
 tgattgcatt ttctggattc ttacaaaatt atgccattgg tcctt 465

<210> 1313
 <211> 512
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1313

catctattgt atcctcatgc taccaccatn gatacantag agcctgctg catgcatgca 60
 atcttgagac aacgttcatg tttatcttgt gtcgaagaac taacattcgg agcgagtagt 120

gcagtccaca caacaatata cttgatggga cttagatctt aactgggagc tgcattttgc 180
 attttccaga attcgcagcg gatgtaatca tagaatatca tacgaaaaga tcatgagctt 240
 acccaagata actaatacga acctacacgg ccctctaaat aactcacata ttccttcaag 300
 acgatatact tgatattaaa acaattcctg attaataatg ctgatgctta tgcgacgtaa 360
 taaaatgctt ttatcctata ctattattat cgacgatgaa tctgccctca cgtgtgaaaa 420
 actgtgataa tggcgaattg tttcatcatg atgttcgaaa tcaagacttg gacagtataa 480
 aaaaagccga ttaacgaccg gagtcctttg at 512

<210> 1314
 <211> 441
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1314

tcataccatt ggcattgatt tttttttttt ttatcattct gtagttcttt tgttgagtaa 60
 ctatattata tttgaataaa aattctaaat ttgtttttcc attgccaaact tataccattt 120
 caataaatac cttacaatt tacactaatt aaataacaat gtaaaaaatt ccaataatta 180
 ttacataaga tcattcgtat aaaaanttga caagtatcaa cactaaattt caaatgacaa 240
 ttttattttt gttttgattg actatgtata tgaagatata aaatgaggat ttatatatat 300
 aaaactaaag caccttataa tcttgaataa catcattaac taatatgagt acatccttat 360
 ttttcatttc atacnagttg ttttttaaca catcagggtc ggtctaataa ggaaaggctc 420
 gggatccta cacaagattc t 441

<210> 1315
 <211> 268
 <212> DNA
 <213> Glycine max
 <400> 1315

ctaagctgaa ttgaaaacgg aagcttcgaa gtctaaacgt tcatagcctt ttcagacttg 60
 aagcatgggc gaactggaga gtgagaatgt cataagtgat gcatctttgt ttccgaacag 120
 tccatgcatg ggacataatt gcacagccat acttgaccca ttgctatcta tggccttgca 180

tcaaagtttg tgtatataga aattttcttca gcaacagagg aagtcatatg tcatgatacc 240
 taagaacaat caaatgcgat ccatattg 268

<210> 1316
 <211> 163
 <212> DNA
 <213> Glycine max

<400> 1316

tgatcttgaa agatgaattg gaggtttgct catggtccaa acaaaacttg tatcagcggt 60
 tatgcgaaac agagaccaac atgctagcca ttgtcagcag gtaccaagaa gaactaaatc 120
 tatccacggc ccacgagcat agagtgggtg acgagtttgc cca 163

<210> 1317
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1317

agcttcaaga acattnttca ctggtggtgt ttacttcaac ttcactagnt agctctgcta 60
 cacataatgg cttgtctagt gcaattactg ctgctagtaa aagtcctaata gtagtttcta 120
 attctgtaat ttcattccct agcaatgtta gcttgcgga tgctaggctg gggtacccta 180
 atagcccatg tcatgaagct agtcaatcat tgtaacattt cctcatctaa taaaaatttc 240
 cagacttttg ctctcatgc tatatgggaa attctcacag atttcttct cactctttta 300
 tttttgatac tctcttttg agcttttttt atagacttgt ggggccttct cattaatttc 360
 ctatgctgtt tcanatacta tgcattaat tg 392

<210> 1318
 <211> 303
 <212> DNA
 <213> Glycine max

<400> 1318

ttctaccact cctcaaggta atagcactca cattcccttt tgtattgata attggttgtg 60
 ctggaatatt tccagaacca tgttgctgca actaattgac aattatagtt aactctccaa 120
 tctgagtctg catgtcttgg atggtggcac aaacattcta ttgaaactga atgttgtag 180

tggccatttt cttcattggc tcctccaagg aaggtccaaa actgctattc tgcataagggt 240
 gtgcatatgt aggtgtagac tgccagaatt gttggtgtct aaatggagga gctcgggtatt 300
 tga 303

<210> 1319
 <211> 227
 <212> DNA
 <213> Glycine max

<400> 1319

agcttgtaac gccactggca atggcgggat ttagatgccg tcattggcag cagcgggatg 60
 gggatatgact caacttaaac cgccagtacg aatgctggga caggctgatt agtagagaca 120
 gagtgaccac tttagccat cgtaccttcc gtcattctgt gactctcacc tctctcctct 180
 cccctcctct gttcttcac tttcttttct aaacctcttt ctcttct 227

<210> 1320
 <211> 196
 <212> DNA
 <213> Glycine max

<400> 1320

tggtcaggtc ccattggtaa tactgctagc attagtgtta caaagcagaa gaaacacact 60
 acaggtgatg cattggattt atcaaaatca tataaagggtg ccctcaagga taaagttaaa 120
 ggaaagaaaa tcatagctta gatatttagt acattcttgc agagttaa at taagaaagaa 180
 cctgtcccta ctctct 196

<210> 1321
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 1321

tgtttatatg aagaggagtc tagttatgga cctttaattg accctgaaac ttttgagact 60
 aaagttgttg gaagcttcat aagaatcaga tgtgacccta atgattacct tcagaaaaac 120
 tcacaccagc ttttgcaagt cacaggtaat ttggctgctg ttcgttgatt atgacattgc 180
 attcaagtaa attctttttt ccctctaaat gtacacttca ctttcaatag gtatgttcat 240

caactgctta agttgaatac ttatgtttgc tagaagcaga ggttacaaac aataaagcaa 300
actgaaatgt acttaattac cttttttaca tcattag 337

<210> 1322
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1322

agctatntct taaagctttg ctacaacctt tttctcccc tctggcaaca tcaaaaagcc 60
gaagaactcg ggaatcaaca cagctataac aatggagtag caagatataa gcatcagagt 120
attaaatata ataagccaaa ctacacaaaca agaaataatt aaaccagaat ccaaataact 180
gaaaatgtca acaaccacaa aacatccaag actgacgtgt aaaatccaca cgataaataa 240
gcaaagtact tagcataata atgtaaattc taagaaacta aaagccaaaa tacacggctt 300
ataaaagata aataatcata acctaaaagc taagaagacg gaggaggtgg tggaagatcg 360
aaactctgac gaatgtagcc gacatcctct tcaagctgtg taagacgaat gttcataccg 420
gcaaagcgtg aatctaacga 440

<210> 1323
<211> 457
<212> DNA
<213> Glycine max

<400> 1323

tgtagaattc accccaatta cagtgaacct tgctgacttg tctcccatat ctacttgata 60
attcaatggt agccataacc ctagccaagg ttcatacaacc tccattttctc cgagaatagc 120
actcgaacgc aacgtgtgct tgtcacggag aagccccgga gcgttccatt gagcatggta 180
gggctctgaa gcgtaaggcg caaggtctaa ttgatgcggg ctggctgaaa tttgaggaga 240
attgcgtgta aatcctgaca ttgacaagag atgccacaca tggggcaatt ttgaaagctg 300
ttgttaggtg tccctaataga ctcatcaggg tttccaagtt tatgccatta ttgtaaacca 360
cagctacaat gttaaataa acggataaag ttgatatctt tggctctcat cctctcacag 420
acgcttgctt gcttattcaa ctctcatcgg aatgcgg 457

<210> 1324
 <211> 99
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1324

agcttggaga ggatgcttca atggaggaaa tgaatgaggg agagaaagag agaggnggca 60
 gcacgaaatt gaaggaagaa acacgtagag cagctgttc 99

<210> 1325
 <211> 246
 <212> DNA
 <213> Glycine max

<400> 1325

tcttatatga ggtacattca tgggtggtgaa gctccttctt ccatggctta ttccctagtg 60
 gatggtgcct cccctctcct cttctccttt gccttcggtt gcctctccat ggtgaaaaat 120
 cagcattgaa ggacctcatt gaatctcaaa gatccagcct ccatagaaac tccacaagca 180
 tgcttccatc aagggtgctg ggatgctaata accttccccg tgcgctacaa ctcacaatcc 240
 ctcatt 246

<210> 1326
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 1326

taacaaatat tcacaccttt caaccaaatag ttccctagtg tggcaagatt actcaagtgt 60
 agaaacaaaa ccatcgatac ggctatatattg atatcattcg tgagtgtttt ttaatactat 120
 gagtacatta atggagaaaa tcaaactcat tgtaaaaaaca tgtgaaatag aatgatgcta 180
 tgtgagatac actcttctga atgcagtgtc cggctgaaaa ttactaaata ctatacaatt 240
 gagtgagtct cacataacgg tctaacaata ttctccaaat ttataatttt caagcactac 300
 taatatgcgt gtataagagc atatgtggag cactcttcat acatatatat gtgatt 356

<210> 1327
 <211> 450

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1327

agcttcttac atagtccgct nttgcttggt ctttatgctt aanaatagaa acattaggca 60
 tagacaaaag atcaagatga gttagtaggt taaaaccata aacaacttca aaaggagaac 120
 aattagtagt gctatgaaca actctattgt aagcaaactc aacatgtggg aaacaagctt 180
 cccaagtctt taagttcttc ctcaaaactg tcctaagcaa agttcccaat gtcctattaa 240
 caacttctgt ttgcctatca gtttgtgggt gacaagtggg tgaaaataac aatttagtgc 300
 ccaacttgcc ccacaaagtc ctgcaaaaat ggcttaggaa cttagagtcc ctatcactaa 360
 caatgctcct tggcanacca tggagtctca cacntctctt gaaaacaaat cagccacatg 420
 ggaagcatca tcaactcttt tacatggaat 450

<210> 1328
 <211> 396
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1328

tgctgtccg atgtagcagt aatgatggcc cgagttatgt tggngaacgg ctacgaaccc 60
 ggaatggggt taggcaaaga caacgacggc atgactaacc tgataaatgc caaaggaaat 120
 cgtgggaagt atgggttagg ctataagccc actcaggcag atataaagag aagcatcgcg 180
 ggaaggaaga gcggtagtca aagctcgtgg tcgagacaag aaggtgaagg aagcccggcc 240
 tgccacataa gtagaagctt tataagcgcg ggtctggggg acgaagggtca agtgggtcgcg 300
 atatacgaag atgatgttcc gagtacattg gatttgggtac gaccatgccc tcctgatttc 360
 tagctgggaa attggcgagc ggagtgtcat acccta 396

<210> 1329
 <211> 504
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1329

cgacacgatt gggccgttcg tcgcagagaa nctntanagt ctactcgag gcatgcacgc 60
ctacattatg ggcattctggt cccccaacat tctctgtcat tagaatctaa ggaaaagatg 120
aaaggatggc agctggtggt gcaaaaaaaaa aagggaccac ccctgctggg gacctggttt 180
ntcctgcccc taaaaaatta actatttggg cattcacatt ccaacatttt cttttaatat 240
acgccaagtt gatgaccggg ctgaggttc tataaaaagt aagagcatca gatccactc 300
ttcttgacct gcacaaggct atgattaaag ctgggacgcc tacgcgagaa gagtggaaatg 360
agccataatg ttatctatca nagatcaagc cgccaatgtc atgtcattct tggactaacc 420
ataaccaact actctgtcat atcaagtctg agtgtggagg atgattatgt tgaagaaaca 480
gacactcatg tctggcatgt atag 504

<210> 1330
<211> 518
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1330

ngaagtgctt gattactgac ctctgatact cagcttgaag actccgctcc gattgaaggg 60
ctcctctcgg tgtggtgttt caacggagaa caacggaggt ccatggaagc tactggtttt 120
tgtgggtggt gaagaagaag ctngngacat tngngaagg ttttggaaga aagaaagaga 180
aaggaatggc tgtcaaggct acacganaaa caagacttga aacactcaag tgtttctgct 240
gttgggaaaa gagaagtttc tcacacaacc gaagacatat cacagatcgc aacggtcaga 300
tcgtggacat ctgtcctctg aactttcaga ctanatttcg agacgatcca acggttaacg 360
aatgtaggag ggcactttta ccaagacagc tttcttgaca agctttctcg tgagggcttc 420
ttgagaagct tcttgaaggc ttcttgagaa ctagagttta actatcacac cccttaatac 480
taactacctt ctaaaataaa catgataaat acacacan 518

<210> 1331
<211> 389
<212> DNA
<213> Glycine max
<400> 1331

gcttgagaat ggagaattgc actaagcaat cactacgcat agctccaaac tcgaaggtgg 60

aggacacatg aacgaaaaca caattcatgg ggctccgaaa aaggggttga gaatggagaa 120
 ttacactaag caatcactac gcatagctcc aaactcgaag gtggaggaca catgaacgat 180
 aacgcaattc atggggctcc gaaaagattg agaatggaga attgcactac gcaatcacta 240
 cgcatagctc caaacgcgaa ggtggaggac acatgaatga acacgcaatt catggcgctc 300
 cgaaaagatt gagaatggag aattgcacta agcaatcact acgcatagct ccaaactcga 360
 aggtggagga cacatgaatg aaaacgcaa 389

<210> 1332
 <211> 462
 <212> DNA
 <213> Glycine max

<400> 1332

cttcacaaat aatcatcaca cagcagagaa ctaacaaaac taccctcat atctcccaa 60
 accccatacc caggaattt aagagagaaa gaagtcacc caaacctgga ttttcgaagt 120
 cccactcgta gccacgcact tcacgacccc gaaaatgccc tcctttcgcg atttggagca 180
 gaaatgagca ccaaagggtg gagctttgtt ggggtttcaa tggagaatgg aggagaagga 240
 aaaagcaacg tgaggaagag ggagagcttc tgaattttct gttctggctg agtgaggaga 300
 gagacaagct ttttggcttt aaataaaagg ttttctctt tttctattat tctattcaag 360
 ctctaccaca tgtccctatt tgattggagc aaacagggcc cactatctct ttttgactgt 420
 gaccatact cagtcacaag agtgagaaca atctgacctt tg 462

<210> 1333
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1333

agctntgcaa taaagttaag gcagcaaacy atagagaaat gttagattnt aacttgcgtt 60
 gactgtacca tctcaacaat atgttttcac taaattctat gggcagcgga atactcttgt 120
 gcataagtta ttgtcaaaca aacctgaaat atattcctta tggaccttat cgcaatatat 180
 taataattta tttccagaac tgttaaaaat tgatttaaca taatattact gtagaagcct 240

cagatatgaa agaatgcttc tcatttcaac aaataaactt atagggttttc ccttaaccaa 300
aagcgtaata aattctaata gcttatgttg atataaagat ttggagtttc agccatgaat 360
ctattgcatt tttaagggac catcgtgaaa ttttttttca caacgtgttg cccttaaaga 420
cagttcanaa tcgtcgtaga agacttctaa t 451

<210> 1334
<211> 431
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1334

agcactcana ccgagtgacc ctcaaggcct acactctgaa gagtctgtca gggcctctcc 60
ctcccgattc aggtccaacc tagaaaatat tttagcacac atactctata tatgaactgt 120
acaaaacaca tgactcctca attgttctca aaatagtttt aactcgtcgc ccttaaagag 180
tcttatagtc gtgtgattgt acaattcata gttcataact caatgcacac aacatctcaa 240
tcacgtgcat actcagttta tcacatacac tgaatctcaa tcacaatggg ataactctcaa 300
tttaacacgt tatcacactt catgaatcat atacacttta cctatgaacc atgcaataca 360
cagaattact caattatfff canaaccat ttaactcgcc gggntcccac agtggatctc 420
atcacatact c 431

<210> 1335
<211> 438
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1335

agctnttcta anagatatataa ctcgtctgaa tgactttctt gaccagacat gaagagtcta 60
taaaagcaag gctttgtttt gcatattaaa tcaattattc caagtctttc taacaatctc 120
ttacaatcct ttacaagcct tgagtctctt tgaacttctt cttctttgta ccaaaagttt 180
tctgaagttt tctggttttc taaaccttga aaacttgtgc tattcatcct tttcattctc 240
ttctcccttt gccaaaaaga attcaccaag gactaatcgc ctgaattctt tttgtgtctc 300
tcttctctct tttccaaaag aaggaaggac caaccgctg aattcttttg tgtctccctt 360

ctcccttgtc aaagaattca aaacgacaca gtctgagaat tcttttgatt cttcccattc 420
cctaatacaa aagcgttc 438

<210> 1336
<211> 340
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1336

ctgcatactt aacaatcgtg gnttttaaatt gctgttgctg ntgcgaccc tgcattgctg 60
tgaaaatgtg tctgtcatga tttgggttga gagaatcgtg aaatctttat gttgcggtcg 120
caaagtgtgt tatatatgga tcatgattta aaaccatact aacaattttg cgctgtgtgt 180
ttatcaatcg attaattgat gattgaatgt gaaaattaat agaagttttt ggcaatgtac 240
ggcaatgaga ggctccaaca actcaagaag gggcttatca aaccaatacg atggtccatg 300
caaggcgaca aaccccatg acaaatgttg gagatgtgac 340

<210> 1337
<211> 431
<212> DNA
<213> Glycine max

<400> 1337

tacccatcac atatggtact aggtggcggt cgggctatgg tgtcttaca ttctgcacat 60
tcacaaatca cgtataaacc caccatcccc tgttgccac ctccaactga gtcacgtac 120
tcccacgtag cccttatcct cgttcctctc aacgcgggt ccccatcaat cctctcaagc 180
tcccacaaca tccaagagat tcaacatccc atcatcaca actaacaaaa ccaagcaca 240
catggcagag gcagaaaactt tgcccaaaac acaactcaaa atcacagctt ttcacatata 300
aataccccag taaaaattcc ttcattccaa ttcgttaacc gttggatcga ctgaacatt 360
ttactacgag tctctagtac ataagtctac attatgaccc gtgtgatctg ctagcaaaca 420
tatagaactc a 431

<210> 1338
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1338

agctatacat anattttctg gattttctaaa ccttgaaaac ttgtgctatt cataggtatc 60
attcccttct ccctttgcca agaagaattc gataaggact aactgcttga attctttttg 120
tgtctctctt ctcccttttc caaaagaaca aacgactaaa agcatgaatt cttttgtgtc 180
tcccttctcc cttgtcaaag aattcaaaat gacatagtcc gagaactttt ttgattcttc 240
cctttcccat atacacaaag acttcaaagg actaaccgcc tgagaattct tccctttcac 300
aaagttgcaa aggtttaacc gcctgagatc tttgtcttaa tacattggaa ggtatatacct 360
ttgtcggaca agcagaaggc acatctactt gggttcgact gagaacaaga gaaggtagat 420
c 421

<210> 1339
<211> 529
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1339

acgtttgatt gaatcctttc tagtaccggg ngatnctnta aaagtcaact ggaagcatgc 60
cagcttgga gaacccgggt agtccaagag ataattttat gtcataccct tcaagtcttg 120
aaagagtag atgaacttag ggacgtctat atggccacag cttgaacctt ggaacgagaa 180
accagaagg ccgaaaagga agaaccaccac ccaagcaaaa gtttgagggg ctttataggg 240
cagcaatact gagtcaagc tccgaagagg tgaaaggaat catcacgggt caaaggcatg 300
atcttgaagg acgagctaaa ggtttgctt aggtcgaaaa gaaatttgct ccaacagtta 360
ggcgagactg aagggaatat gtgggccatc atcgataagt gcaaagagaa gcttaatatc 420
gcggcgactc acgagcanag gctagaggat gaggaccgcc agatatcanc agaaagggga 480
agcagggaaa gggtaattga ttcattgcac cagaggaaca atgaggatg 529

<210> 1340
<211> 533
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 1340

nnccttttga tgccatgtan tncctgacctt agatactaag cttgacattg ntgttngata 60
gaagaagaag aagatgggta gccttggtat ttcaatatca aacgatacat caaggacaag 120
gaatacccg c ttgaggcctc taacaatgac aagaggatat tacggnggtt ggcggccagt 180
ttctatctga gtgggggatgt cctatataaa agaaagcatg atatggtatt gctctggtgt 240
gtgaatgtaa atgaagccga gcagatacta acagagggtgc atgaaggatc ctttggcacc 300
catgccaatg ggcattgccat ggctcgaatg attctaagag cctgggtgta ctgtatcacc 360
atggagaatt atttgtgtgt tcacgtcang aaatgccata agtgccanac ttttgcagat 420
aatgttaatg gctccacctg taccattgat gtgtttgcaa tgcattggctg ntctcgatgt 480
ggaagaataa cgtgattggg gctatcanac ccaaagctct cgatgggcat ctg 533

<210> 1341

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1341

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gcacaacaag ttttccacat ccacaatgcg cgcataaacc caccatcccc tgggtgcccac 120
ctccaactga gtcacgtac tcccacgtag cccataccct cgtttctctc aacactgggt 180
ccccatcaat cctcccaagc ttccacaaca tccaagcaac acaacattca aacagcacia 240
gctatcacag ccaagcaaaa cagagcaaag gcagataact ctgctcaaca caccaaccaa 300
aatcacagct tttctcactt acagacccca ataataattc cttcgatcca attcactaat 360
ccgtggatcg actccaaaac tgtactggaa gtctacagt cataacccta cattgggacc 420
gttgcatct act 433

<210> 1342

<211> 534

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1342

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 tgtcacgtgc tcatgcaaca attgttagcc gtggctatac gagacatctt tcccaaccaa 120
 gtcagggttaa cgataactcg cctgtgcttt ttcttctatt ctatatgtag caaagtcatt 180
 gatccagtca tgtttgatga gttggaaaat gaggccgcaa ttatactgtg ccagttggag 240
 atgtattttc cccctgcttt ctttgacatc atgattcact tgattgtgca tctggtcaga 300
 gaaatcaaat gttgtgggcc tgtttatcta cgatggatgt naccgggtga gcggtacatg 360
 aagatcttaa aagggtatac aaagaatcta tatcgccag aagcatatat tgntgacagg 420
 tacattgcag aagaagccat tgaatnntgt tcataatact tagagaangg ctaaacctgt 480
 tgggcttccct gagtctncgc atgatgacag agtgggtggt aagggttcaa gaat 534

<210> 1343
 <211> 396
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1343

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 agtacgtgag ctacagttgga ggtgggcaac aggggatggt gggtttatgc gcgcattgtg 120
 gatgtgggaa aacttgttgt gcaccatcgc ccgaccgcca cctagtacca catgtgatgg 180
 gtaccccata atcctacaag cttgagatga ggaagtgttg aagggtgaaa ctttctgctt 240
 ttattgttga ccacagagtg gtacctggag atatgtcgcg ggggtcagga gaccttgggg 300
 acgtcagggtg ggggtctatt gcccaaaacc aagcttgacc aatcccgacc caaccggggc 360
 atagtcgggc agtgagaacc tgtgatgtac ctaagc 396

<210> 1344
 <211> 337
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1344

agaagaatta aatctagcca cgccccacga gcacaaagtg gtggacaaat atgcccaagt 60
 gtacgcggaa aaggaggcta aaagaagggt gattgactcg ttacatcaag aggcaacgat 120

gtggatgtga ccgattgctc ttactttgaa cgagagtcaa gaactttccc gattgctggc 180
 caaggccaaa gcaatggcag acgactactt cgcccccgag gagatccatg gactcctcag 240
 ctattgtcag catatgatag acttaatggc ccatataatt aggaaccgct aaggagtntg 300
 tattgtcact cagatcttga ttagttataa ctttctg 337

<210> 1345
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1345

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 attgagccat gttctcagta tgaaaattag cagccgaatg ctcaaaaatta gaatgttcag 120
 aatcaccagc aatagaatgc tcaaaatgca tagaatgatc aggatgaaca ctatgcctaa 180
 ctaatctatg aaagggtttta ttttctatct caagatcaaa gggttgtaaa tcacctggat 240
 tgcccctagt catgcactat atgcagcana tcatgtatct ctcaaacaag caccaaaggg 300
 ggtaaaaacta caactatact caaacaatat ccaaatgagc tgaanatnta tgagaaacac 360
 cctataatca tgaaaagata gacaaaaatt ttcagacaaa nattcaaagt ctaactatga 420
 aaactgccta agaaaag 437

<210> 1346
 <211> 388
 <212> DNA
 <213> Glycine max
 <400> 1346

ggagcttcta tggaggatgg atctttgagc ttcaatgtgg tccttcaatg gtgagtattc 60
 accatggaga tgcagcggaa ggcaaaggag aatatgagag gggaggcacc atccactacg 120
 gaataatcca aggaagaagg agcttcacca ccaagaattg ccatggataa gaagcttgaa 180
 gaggatgctt taatggagga aaagaaagag agaagggggg agcacgaaat tgaaggaata 240
 aaagagggag agaagtggaa ctttgaagtg tgtctcataa gactctcatt catcaaagtt 300
 acaacaagtg ttacacatgc ttctatctag agactacgta gcttccttga gaagccttct 360
 taagaagact ttcttgagaa gacttctt 388

<210> 1347
 <211> 485
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1347

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 tgatgtttgc gatgtttata tgctgaaatt gctgatggaa aactattaga gatgacaggt 120
 agaactaacc tagggttata aagtgagaat gtgatgctat gagtggaaaa agagtgagggc 180
 tttgagagtt ggaacgataa gtctgaattc tgtggtnaat ggaggttaaa gtgagttaat 240
 actagctcga aatgtcattt atgacttatg acaaagcttg gactgtgcta gagagaagaa 300
 ctaatgacca aagtgaacca agagccatct ctatggcgaa catgggtgtc gaggggcgcaa 360
 attttgattc ggtggagatt tcggtgacat tcagtttgag caagttttaga attgatgtat 420
 ggactagcgt gatgtgagag tttgcttcaa gttaccttat tctacatgtc acttttgaga 480
 cctat 485

<210> 1348
 <211> 440
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1348

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 tttagcgtct tcatgcacta agcgagcgat accttatgcg ctgagcgagt agcatctttc 120
 gctaagtgcg ctaacccccg tccattgggtt gttgggggtct cactaagcga gacagtcgcg 180
 ctaagcctaa aaacctctcg ggttgtgcat ttaattgaat agggctaagc gagtcagctc 240
 gctgagcgcg acatagtctc tcgctaagtc tgtctgtgcg ctaagctcaa aaggctctct 300
 acctggacct tcatggaaat tgggctaagc gggccatccc gctaagccca aaacctctc 360
 tggaatggca acagcaataa gcgagaccat ctgctaagc gtaacccac tactgcatca 420
 agagaacttt aatccgctga 440

<210> 1349
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 1349

gctggcttgc tggctcctgc ttcaattggg gtggctcttg cttcaattgg gtgcttactg 60
 actgggttgc tcttcgctc aagtgtgtgc cttaccccc ttactcctag taagtgtttt 120
 taaagtaa ataaaattata tttttttgtt aataaatatt ataagtttaa gttagctagt 180
 attaacacat attgtaagtt agtttatata gtattgtgta gttattctaa gctagtatta 240
 acaaaaatac taagttaaag ttagttagta gtagtattgt gtagttattt tttacgtatt 300
 aatattaata gatataccaa tggtaggtta gttactatga aaatattatt tggtagttaa 360
 gaatgaaaat tttatttagt tattgcatga tctaactata tgtgtgat atctatatat 420
 atctatatat atata 435

<210> 1350
 <211> 532
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1350

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 gcttggtcgg ntcaatttta attaagcgtt tggtacattc ctatggactg agccaaaagg 120
 ctggtgcat taaagactac gcattcttta aggcaccaag caagggatta aacagcgaaa 180
 cccctatccc acattcttta aaagaatgag aacagaaaat tatagaggac aggaattcct 240
 tgcggggggg aaccacaaaa aacaaaagca tgtggtgact tttttaattg ccccaagtct 300
 taagcgtagt atcgcttgac aacgtcggag ttcacgggtg aaggtagttc ctgcgtatcc 360
 atgttggcga gcacaagggt cctccggag aaagcccttt ttacgacgaa aggcccttcg 420
 tagttcgggg ccacttttcc cctatngtct ttcagggtg gggagacttt cttcagtacc 480
 aggtcccctt cgctgaacct gcgcgagtgt accttcttgc aaacgcgttc tn 532

<210> 1351
 <211> 531
 <212> DNA

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 tcgatggagt acaatgtcaa ctatttgaaa ttaagaagca acctanaaac aaaaagaagc 360
 aatctccttg ctaatttcgt gggagtagtt tcgaacgttg tagttggtgt ttggttttgt 420
 ttgtttttct ttggaatgca taaaaaaca atatcaattt ccacattaaa tatcaacacc 480
 tcat 484

<210> 1354
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1354

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 ataggatggg tgtacccgcc acaactgcat atttaagaga aagaaccgtg ctatatatac 120
 cttgtcttgg ttccaatgc tatatctttg gggtaatggc taaataatta ataaatataa 180
 tttttttaat gggtagtaaa caagtaattt tattgtcagc ctgtgagaac agaataataa 240
 aaacaaaaaa agtacagtca acttttagttg agtcgctagt cttgaatctt aattaccac 300
 gactcttctc atcttccaag ttccaactac ctgtgcaatg catgccgtcg atgttcagaa 360
 taaatcataa tctgtatatt ttggattacc ctctctcctt agtatacaat ntaaagtgat 420
 gatattatat aactttttaa ttattattga ata 453

<210> 1355
 <211> 445
 <212> DNA
 <213> Glycine max
 <400> 1355

tgcatacaag tagtattagt attttcttcc ttcaccagtc aaactatcct cggtttattt 60
 gctcgtgatt gcccatgcat gaaaaggggg ctgttggaag ggtggcgatg gggtgatcat 120
 tcatgtcgga tgagtttttg taatggttgt agaaaccgta tggtcaggag agaatcttgc 180
 ccctcatttc aagctatact tctctctctg cttatagtgg gcttggtttt cttggtcaaa 240
 tgtattttct agttggtaat gcaaataat ataattttct catttgtatt tattttgatt 300

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AMERICAN
DICTIONARY

agcttagtaa gtcatgtacc tgtgttcctt atggatgtgc ttagttttatc acctaagtgt	60
gagattgaga atctagtagg tctagtatcc atagaaaatt gtaaccgtag ttcttggggg	120
atgtcttgta tatagttatt aagcgtagtt gggaaagtta tgaggagtag ttaggaagct	180
tggtgtgaaa ccttaagggg agtgtaaggt cattcgtaag gagttgttgg ttgcgtatag	240
agaggcttca gagtgagtgt tcttgcgtaa ggtagatgac ctacaggatt agtgatgata	300
gtcgtatggt tagtgagata gatcttagtt ctccttacct gttgatctgn cgaaagtctg	360
aggatgctcc gaggactacc ttangacttg ttgtagtctt tat	403

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<210>      1357
<211>      428
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      1357
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560

<210> 1358
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 1358

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 cgaaccagtt gcgaaaaaaaa acttgcccca ttttatactc agtttggttc gacccgaccc 180
 gctttggcaa aaaaaattag tgacctgaac ttgaactgca ttgctcactc tcatcatcct 240
 acgatctttt tttctgtgca acttcacttg tttacgaagg gaattgtggt ttcgaagttt 300
 gtacgactaa gcgattatgg cggatctgaa tgaaacgctg agatacaatg tctttctcgg 360
 aaccttactc ggaatgt 377

<210> 1359
 <211> 171
 <212> DNA
 <213> Glycine max

<400> 1359

atgaatacat cggggcatga tcatttatga gagaaggagc gaacttatcc taccctactc 60
 atatttttat atatgatatg aagttataca ctcttttttc agagataact catacactta 120
 cactataaaa aaaactgtat cgcctaactt ctccgctaac ttatactctt a 171

<210> 1360
 <211> 454
 <212> DNA
 <213> Glycine max

<400> 1360

ttcgtaggcg aatatcacat aagttggata atatgcggac cattgtctat gataagcata 60
 aggaacctca atgacattct gcacattaac atttcaagca tattatttat ttgacattaa 120
 cataaataaa caaatgttta agggtgaaaa tcgtgacctg ctcatgatgg aatgacgcct 180
 caaatcgggtg cacaattctc ggtacatgta aatttgatgg gccctagatg agaaacgttt 240
 atgtaatgag taagtgaaca aacatgtacc cattgaaagg agaagataaa tatgtgcaat 300

atcgaacatg tactatgaac gaacagagca aacatacaac gatgaaggat gcatgatgaa 360
gcatactcta acatatactt ataagaaggt aaacataaag gatggaaaag ttcacttaca 420
acatcagacg cattcgatga tgatgattca tagt 454

<210> 1361
<211> 331
<212> DNA
<213> Glycine max

<400> 1361

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gacttgagaa acaaagatga tcaaataaca cgcaaagatt taaaaggtag taggttgcct 120
cctagcagcg cttctttaac gtcttgagct ggacgcgtga tgacttgtcg gccacggacc 180
tactactttg cttacctttg gctttggact tggtcggctg ctggtcgacc acgggtcgta 240
ggcaacgctg cagcctttgt agatgagctg atggactctg gaggtggcgg cgatgcgtct 300
attgcccgtc gccggccata cccaagctac t 331

<210> 1362
<211> 429
<212> DNA
<213> Glycine max

<400> 1362

tctagccaaa tggacttacc ttgaattaat tcctttgata gcccttttga gccttgtttc 60
cctttccttg ttttgaagct cactacaagc cttatgtgaa aaaccatgat attaccatat 120
ccttaaggag atttggagct ttggaattgt tttgggaata agtgtggggg gtttttgttt 180
cattggacaa cttgttttgt tgactatgct tcatgatgta ttttgggtca tacttgatgt 240
acattgtata ttggttaaat gttggacatg ctgaatgaaa ttatgtttct cacaggcgaa 300
ataaaaataat atgaattaat aaggaaaatc aaatgactaa caagaataat aaataagacc 360
agcaataagt tgagtgaata agatcttata tggcacaaga atgatgaaac tcttgtttct 420
actcttcat 429

<210> 1363
<211> 430
<212> DNA

005101 9042460

<213> Glycine max

<223> unsure at all n locations

<400> 1363

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cgccaataaa ttcttgatca ctacctagaa atccttttgc aaagcatgct tccctaaatg 120
tattatacat cacatcattg actattctaa tatctatgta agactgtgga ccttatgcag 180
aggaaaacat cattctgagg taaaacaatt cgccagttga aggtgggacc catataagtc 240
tgcctattgt atttccttgt tctcttggtt gccagcatct tttgtgtgca acataaacia 300
atcttgacac atattgagga taagtaagat cctgtccata aggtataact ttgttagaat 360
gcatctaggc tgtgaacatt gattctttga ctgtgggctn tgatagaact ggcaccaatt 420
gttgactatc 430

<210> 1364

<211> 466

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1364

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gcaaaatatt gaaaggaatt tgcagccatg ttttttgtga agcttcaaata gataaactga 120
atatggatat attcttcgga gttattgggc agtgatcaca cttcatctac tttaaagggt 180
aagaatagta tgtaaaatga actgatgaag ataatgatgc cagggaaccc aaatttttgg 240
cccagagaaa aaatagaatc attaattaat taattctata aaaagtacca caagccccac 300
cttnttgggg gattntctgg aacataacat ggcaggatg gtcataata gcatgagcta 360
attangttgt ttcattttgt aattgcgacc actgggtgtgc tcanactttt tgatcttaag 420
ccaatgccac taatngtcac aacttttcat ctgctttgat tatgtc 466

<210> 1365

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1365

agctataaga cataaacaaa ttgttattct ataaaaaaga attctaacaa aacaaaaata 60
 atttttaaat gtttgaacca attgaaccaa tttgacccaa cccttntatg attgattatg 120
 gtcacaaatc caccccaacc taattttattg aattttgatt aagttgaatc acagatttag 180
 gtcaaactcg tccaactcga cccaagaaca cccttaacct gtattctgtc tccctccttc 240
 tctgtgtgtg tgaagtacct gaaaaacact agaaaaggaa gggggggggg gttgaatagc 300
 ataatggata aaacttagtc tttcgaacac cttgaatgct ttttctaaac aaatatcaat 360
 ggacaatgga gtttgtcc 378

<210> 1366
 <211> 489
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1366

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 attcttgagt gattcaagaa caccttggct gtatcacagg acttccacaa cctttgtgtg 180
 ttgacctctc tggagagagt gattctttcc ttcctttcat catcacctt gttctttcaa 240
 accacaattc cagaaaatcc acctctgccc agaattatct cgtggccata actccattt 300
 tacgcactca aattaagtga ttcttgagcc taaattgaat ttctaaacga gacctttcac 360
 ctgatatgg aatcatctca tttggagccc tgtagattca gatattgcca tttctatatt 420
 tctgtccagc caccacttaa cctacgttct accatcccat tcatccatgt tatgccaaga 480
 accacctta 489

<210> 1367
 <211> 347
 <212> DNA
 <213> Glycine max
 <400> 1367

agcttgccga ccaactcgcc agttgagcat gtttgcttac tccagaacga caagcttgtg 60
 gacggcgcca agtgggcccag attgctatct gcaccgcat ttttactaaa ggcaccctt 120

<210> 1370
 <211> 444
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1370

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 tgcttccttc atcaattttt cataagggtc caaaatcacc caccactttg tctctaaatc 120
 ttattagaaa cttatattgt ttcattcatc agcttttcat aaaatcaaaa aattcctacc 180
 actctttctc tcaatcttat tgcaaaaagt aaattcacta ctataaaaat tgggttttct 240
 agacatttaa catcggttat gaaccaatgt tagaatgagt gccataaaaa gatgaccatt 300
 gttaacattg gttataaaaa tcaatgttga aatctactat ataagtatgg ttctcaccan 360
 aaccaatgtg atatactagc aaatagacaa aattatttaa gaattaattc tttntactta 420
 taatttatat cattctacat actt 444

<210> 1371
 <211> 406
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1371

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 tttgattatc ctgctttggt gaataggaag cctgngcaaa tggagaaaat gagaagaagg 120
 gacgaaccca tgctgtcact gtcgctccta catggtcaaa tttcccacca actcaacaat 180
 atcaatactc agccaatatt agcccttctc attaccacc accctatcaa ccaagaacac 240
 tcaatcatcc acaaaggcca cccctaaatc atccaatacc aaacaccacc cttaacacca 300
 accagagaag ggattttcca acaaagaagc ttgaagaatt caccccaatt ctggtgtcat 360
 atgctaactt actcctatat ctaactcata atgcaatggt agccat 406

<210> 1372
 <211> 445
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations

<400> 1372

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taaagcacat taatgcactg ctatataaaa cagccaactt tcaagcaatg aacttaaaat 120
aatagcaaat tacaatctaa gaccataatc caaatttgca ttgttacaaa agcaagacaa 180
aagggagcaa ctattttctt gcataatata attacaatgt aattttcttt ccaatcttct 240
aagctgataa atttctcat aataccacta ctanatat acagttggct attacaatta 300
gcatcatatt tcaatggtaa gaagaaaagg aattacaaat acctcagaac cttcttttat 360
gcattcatta tactggcttg gcttcaagta acaggacatc aagttcagag agcatgccaa 420
aagaagcttt ctactctgga aagat 445

<210> 1373

<211> 362

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1373

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catcacaccc tatcactgac atctcaacgc ccccatcatc accttcttcc gcttctcctt 120
cctctcttac tccttcttc cccttctcca aggaaaccac catctccgcg ccaccaccgc 180
cgaccgcgct gtccaacccc ttcttattct ccttcttctt cttctccctc tcttccccctt 240
tgcttcttc ccttctccc ctttttcccc ttgggtcttag ctgttgtaag taattgttgc 300
ggtgttgttt tgaaaaaaaa aaagagacca aaagagacta tgctcaggga ctgagctgtg 360
ct 362

<210> 1374

<211> 303

<212> DNA

<213> Glycine max

<400> 1374

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ttcttcatct tcttcttctt cttcttcttc ctctattgtc ttttttcaaa cgacgcgcaa 120
caccctcttg ctaattacct tctaattatg caatcgctct attcgatttc tagggctatt 180

gctattgcta tgccttcgct cacccttct caaaaaaca aaatgcttcc tcttcccctt 240
 catatctata cgctgctgca ttctaatacga tataatctgac caggagtggag tagttcattg 300
 cat 303

<210> 1375
 <211> 529
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1375

cggattgttt gcatccagtt cgcgnagccg cgtanagtcn acctgcaggc atcgagctt 60
 cagttcctga gaaactgggt cccagaagac aacttggagt gaagattgct gaanactcta 120
 gccctgcaac aagtcctaag gaagtagaca cggagatgga caagaaaatc cgcagtattg 180
 tgagtagcat tctgaaagat gcttctgtgc cagatgctga gaaagatgtt ccaacatctt 240
 ccaccccgaa tggttctgtg cctgatgttg agaaagatgt tccaacatct tccgctccaa 300
 atgctgaagc cgtcccttca cccagtgaag aggaatcaac ggaagaagag gatcaagccg 360
 cagaggagac ccctgcacca cgggcaccag aatctgctcc aggtgacctc atcgacctgg 420
 aagaagtcga atctgatgaa gaaccattg tcaacaggtt ggcacctggc attgcggaaa 480
 gacttctaaa cagagaggga ntnaaccccc ttaagaggtc tggacgaat 529

<210> 1376
 <211> 483
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1376

tccttaacat cttgaattct atttgtctgg aagtaataata taacaagcag aatgcatacc 60
 tcctcccgca gtaggccaga aactaaagca tatacctcaa caatatttct gcacagaaga 120
 gttttcattg aaataagtaa ttatatatat gactcatatt atttgaactc aagatagaga 180
 acttacagct ttttgtacct ttagttttac ccaattagca ggaggcccaa tatcaatcac 240
 aattgtgtcc aatctagcaa gtcagcggat aaactaaact ccaaagtaa acactttcta 300
 gtttcaacca aagcaacagg ttggcaacac atttcactaa ttaactagac aaagctgcaa 360

55401-5012160

gcattaagta agcacaacac acaagagaaa gcaacattga anatgaagca atgggatctt 420
aactgtgggtt tagaatgggtt actgcatgca gctttgactg cattatccat gtaagaagaa 480
gat 483

<210> 1377
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1377

atctacttca atacactgat tggaaatgat gtggcctaaa actatacctt gctcaaccat 60
aaaatgacat tattcaaaat tatgaacaac gttagtttca atgcatctat tcacaacttt 120
ttccatacta ttcaaacaac catcagaaga ggatccatat acagtgaaat catgcatata 180
cacctctatg caattttcta aaaaatcact tgaaatacta atcatgcacc actggaaggt 240
accaggggca ttgcacaggc cgaaaggcat tctcctatag gcaaaagtgt cgaacgggta 300
ngtgaatgtg gacttttctt gatcctcag agcaatagta atttgcatat aaccagaata 360
accatcaatg aaacagtagt gggatatagc tgccaggcgt tcaagcatct ggacaatgaa 420
tg 422

<210> 1378
<211> 530
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1378

gattctgaca tggaaactatg atactaagac tggtnctgggc atagcacccc acctgacgtc 60
cccaagggtt tctgaccctc gcgacatata tccagggtacc actctgtggt caacaaataa 120
aagtatgaag actgactctt ccacgctttc tcacatcaag cttattggat tatggggcac 180
ccgtcatatt tgggtactagg tggcgatcag gcgatggcgc anatcaacta tcccatttcc 240
accagccagg cataagcaca ccatccccag ttgcccacct ttaaatttta gctcacgtgc 300
acatacgtag tcttctctc gttcctctca gcaccgggtc cctatcaacc cctccaagct 360
ntcacaaaat ccaaaaaatt caattccatt tgtcatgaaa ctacctcaca caatgaaaaa 420

cagagtggag gcagaaatct tgcacaagaa tcattcaaaa ttcacagaag ttttctaccc 480
tcatacctca gcaaaaatct ctttcgtcca aatcggtacc cattgattgg 530

<210> 1379
<211> 400
<212> DNA
<213> Glycine max

<400> 1379

atgcattggt taacatggta acccatctgt ccttgaacca caaatctgta cccgtcgcaa 60
gggtctgtga tctgtgctcc tctgctgacc accatacaga cctttgccct tccatgcagc 120
aacctggagc aattgagcat cccgaagctt atgctgcaga catttacagt agacctctc 180
agccttagca gctaaatcaa ccacaataga acaattatga cctctctatc aacagatata 240
accctgaatg gaggaatcac cctaattctca gatagtctag ccctcaacaa caacaacagc 300
agcttgctcc ttactttcaa aatgctgctg gcccaagcag accatacatt tctccaccaa 360
tccaacaaca gcaatagccc cagatacagt caacagttga 400

<210> 1380
<211> 437
<212> DNA
<213> Glycine max

<400> 1380

agcttgcgga tttggtcttt gctggcgaaa tgatcgaagt gggctctaaa agaggcaa 60
ctgatcatca tgctttgcta aatgcaaaaa ctggggcaaa tgaagagggg gagaatgagg 120
gagaaacca tgcgctgtga ctgccattcc tatatggcca agtttccac caaccaaca 180
atgtcattac tcagccaata acaacccttt caaaagccac ctaccacaca accaatgcta 240
aacatcacct atagcgccaa ccaataaatg aattttgcaa cgaaaaagcc tgtagaattc 300
accctaattc cgggtgccta tgctgacttg ctcccatatc cacttgataa ttcaatggta 360
gccataacc caaccaaggt tcatcaacct tcatttctat gaggatacga gtcgaacgca 420
acgtgtgctt atcatgg 437

<210> 1381
<211> 526

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1381

aatgtctgac atccattacg gacctatgat actcagcttg agaacaccta tcaatgtggt 60
ttgttgata tggatcatatc tanaaagggt atcgtgttta ccatccacca tcaaagaaat 120
tttatatctc tatggatgtg acatttaatg agcacaattt cttttaatgt tgattctaca 180
ctttacggag gaaatgacag tgaagtgc atcatgata ttagtatggt tgatatctca 240
gatataaaat tatattgtga acataaatta tcgtgtgagg atcattctgc aagaagtgag 300
ctaaccctcaa agatggaaaa ttcttttttg gataatacag tgtcttttga tcataaccaa 360
ttggctcaat cttttccaca agttcggctt gactcttcag aggtaccttc tgatcctatc 420
tcttataata ctaatgtaga tgaaactcat catgaaaatt gttctcttga tcttaccctt 480
cgatatacta nattagatta aactaatcat gaaagtgatc cttggt 526

<210> 1382
<211> 394
<212> DNA
<213> Glycine max
<400> 1382

aataaaatct taatcggcct gtattactgc cttgatgaat ctcataactt tgttgaaaca 60
aacctcccc tattttctga tagtctaac tcttaacct gagttcatct tgagaattca 120
gacacatctt attttgcct tgtgaaaatt ggatctgc atcctcgaaac aaaatgagta 180
tatecttttg aattttgtct catgggtttt attgaatttc ttcattgcta tcatttaatg 240
ctgaatttct tcattgctat cttttctgc ttttcattaa ttgatgcgat ccaactaaac 300
atgcaaagt taatccataa aaagtttgaa tatgttggtc tatgaatata tgccaaatag 360
tagctcgac cacttcatta ttggttaatac cacc 394

<210> 1383
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1383

agagatgcat tggagagatg agtcaatca ctaccattct caccacaaca catagattaa 60
 gtaccgagtg aacaactttt aatttcgttt tctctcactc agtgatgctt cttacatcct 120
 tcgataggaa tttttctttt ttcaactcaa ggcttcatca tctctacaag agctttccgg 180
 aaactgggtgt attcatcaga ggctgggcct ttcctataa tagtcgagtc ttgacacctt 240
 ttcacccttt tttcatttgt tctatatgtg gacagggtcc aaccattttt tcccccttgt 300
 gatattctgca ccatctctca tctgggtgcct taaccttacc cttattcaaa ggggaatgtn 360
 gtctgacaca atattcacgg caatgtaatt taattcagaa tacc 404

<210> 1384
 <211> 338
 <212> DNA
 <213> Glycine max
 <400> 1384

agcttgacac catatggatc ctatctaccg atatagctaa ttaaagtctc gctttccaac 60
 ttgacaataa actaaaactt tgatagggcat ttattgtgca caagtttttag cttctacgcg 120
 cataaaaata ttttccggat tgaatattca aatttcttat cattataatt gttaattaa 180
 aacacgacaa gtttatgcmc gtccattctg tctcccagca caagatgatg aaattgacac 240
 ctttctcttc ctaaatttca aaacaatttg actgtctcaa ccacgcaacc ttccttcacc 300
 agctactata ctaacttatc atccttttga ctaactat 338

<210> 1385
 <211> 354
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1385

aatgtacttt cngntcacca atccacacac aaacacacag acaccggcat tttccaacat 60
 tcccaaagac acagtcctag gataagttaa gaacaactcc catctcttgc actgtcttgg 120
 ttccacatta ttattattaa tactactact acttgcgtag cgtgtgtggt ccacattggt 180
 gcttggtgcc ctacccatga tcttgggaact gagatgagaa gccacatcga ttaacaagag 240
 caacattaga tctcccaagt tgaagtcttt ggagacaccc attatgatgg ngggtgtgag 300

tctgagggaa tcatggtgtt tctgcaaagg ggtcagcaag tctgagagaa tgaa

354

<210> 1386
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 1386

agcttgtagg attatggngt acccatcaca tgtggtacta ggtggcggtc gggcgatggt 60

gcacaacaag ttttccacat ccacaaatcg cgcataaacc caccatcccc tggtgcccac 120

ctccaactga gctcacgtac tcccacgtaa cccatattct cgtttctctc aacaccgggt 180

ccccatcaat cctcccaagc ttccccaaca tccaagtaat tcaacattca aacagcacia 240

actatcacag ccaagaaaac agggcaaagg cagaaaactc tgcccaaac accaaccaaa 300

atcacagctt ttcccactta aagaccccag taacatttcc ttcgttccaa ttcgttaacc 360

gttgatcga actcgaaaat ttactggaag tctctagtac ataagcctac 410

<210> 1387
<211> 306
<212> DNA
<213> Glycine max

<400> 1387

tggcttagag agcgtccgtt gagcgctaca ctctgtgggt atgcgcgagg aagactctgg 60

aatataatga gctgcacaag ttgcctaagc acacctattc atctcactaa gtgcaccgct 120

tcatatcatc cgctgaccga gaaaggcacg ctctaaaccg aaattcacta atgcgcgcta 180

agcgatccat aagtgcgcta agcgcacgag cacgaacaag atcacctatt taagcctgaa 240

attacatttt agaggagag tttggactgc gattcagagc tctgcatgtc tacggtttct 300

agagag 306

<210> 1388
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 1388

agcttctgcc acaacaaatc caggaatcca catccaacct acttggatca attgcaaatc 60
aatacttgca acctattgtc atccaacaac cctttgttca agctgcacct acctctatac 120
cagcaacctt cgaacaagtt gaacatgatc aaccttaaca tccacatcca aaatcaccac 180
gaaatgaaga tccacctcag cagccataaa tgataatgat agtttatcat tttccatctt 240
tcaaacctgt atttgttgat tacataagag ggagaaattg gaattttgat gtatcatgag 300
cttagactta tctttcatct ttatatgctt tgttgaata tatatgttgt aacatatgtt 360
atgttgcttt tataaatgaa gtgggtggat tattcaattt cgcctcttaa ctatgctntt 420
tacatatgta tgcattggcca ctttgatctt atatat 456

<210> 1389
<211> 321
<212> DNA
<213> Glycine max

<400> 1389

aacggttgaa cctttgcgaa attcttcacg gaaaacgtta cggaaacgtt tcggaagcgc 60
ctcggcttag atttacttca cggaaacaat tttccaagc aaattctaaa gagagaaaag 120
tgcctaaggg gctgaaccct tttcttcttc acttctctcc ctatttatag caaaataggg 180
gagatgcttg ccgccagct cgcgcagggc agccaggttg cttctccag aagcaacagc 240
cttctggagg aatcttcttg agggcccaat ggggcctggt tgctatatgc acaccatta 300
ttactaagta caccctctt t 321

<210> 1390
<211> 259
<212> DNA
<213> Glycine max

<400> 1390

ttacttgta aaaaaatatt gatgttgcac gcacattatt aatgaattct ttgatacgtg 60
caaatagaga aaggcatgc tacatattgt ttaaaaattc tgaaagcca gtaatactgc 120
atgagaacga tgtacgtctt gaaattctaa gcaaaggat atggctaaat tcttcatgag 180
taacatctcg cagcaatgt gatatttttc tatttttcat gtattatgcc tgcactttta 240
caatttttat gctggtctc 259

<210> 1391
 <211> 399
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1391

agcttgggtt cctaggccta gaatcgcat tgtgactca ttttaacctc tacgttctgt 60
 ccttatacat ataatcagc cccacagtcc aaagctcaca aaaccatgct catatgtcgt 120
 tgaggcattt caccgagcac ttggtgggca catgtttagg catgaatata aagataatgg 180
 gggcaatgtg gcatgccccca ttacttcaga ctgcacccta ggcctaaggc catcccttac 240
 aacccctcaa ttcaacaaaa acaagcaaca attcaatgat aaatccctca cgtttttttag 300
 caaatacatg caacttagag caccanaata catcaatgga aagctagaga gcccaagaat 360
 gaggtactta cttgttggag atngaataat agcgcaa 399

<210> 1392
 <211> 367
 <212> DNA
 <213> Glycine max

 <400> 1392

agaagttcaa gtccatatcc atcaaagtct gaaaagagta tgatgaacta taggatgtca 60
 atatggccac cgatgaagcc ttggaatgag aaaccaagaa ggcccgaag gaagaacacg 120
 accaaagcaa agttttgagg ggctttatag ggcagcaata gtgagctcaa gttccgaaga 180
 ggtgaaagga atcatcacgg gtcaaaggca tgatcttgaa ggacgagcta aaggcttgcc 240
 ttatgtcgaa aagaaatttg tcccaacagc taagcgagac ttgagggaat atgtgggcca 300
 tcatcgataa gagcaaagag aagctaaatc tagcggtgac tcacgagcaa aggctagagg 360
 atgagta 367

<210> 1393
 <211> 524
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1393

cggatgagtt cattgacgac cattggancc ccacagnnga cctgcaggca cgccagcgtc 60
tagaataacc taagcgccat ccttgcttct gcatattttg tagagcttat tcacacatga 120
agctgggcag cctgaagta actatgcatg ttgctccctc tcctgagcct tectgaagcc 180
attcacgggc taccttcgtc attgtgtctt gaaactggcg gtttagggat gctgttcctt 240
tcatttccga ggtcttaaca caacaccttg tcctcaaggc gatgcaactc cttatgagct 300
gcgagaata cccactactg ttacgtccac gtgcaggcgc tgcttctgta ccacaaccat 360
tatcgtggat acctgagccg cctgaactgt cttgtgaccc ataataacta aggggtgtggc 420
gataggctgc atatccatat ccccgaaag aaggttcata actgctatag tattgtgcta 480
gcacacgatt gggcttaaga cggaacgatg aggctcggca tgcg 524

<210> 1394
<211> 530
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1394

cttctgatca tgtacactat gatactcagc tttagccaat ggacttacct tgaattaatt 60
cctttgatag cctttttgag ccttgtttcc ctttccttgg tttgaagctc actacaagcc 120
ttaagtga aaacatgata ttaccatata ctttaaggat tttggagctt tgggaattgtt 180
ttgggaataa gtgtgggggg ggttttgttt cattgcacaa cttgttttgt tggctatgct 240
tcatgatgta ttttgggcca tacttgatgt acattgtata ttggttaa at gttggacatg 300
ctgaatgaaa tgttgtttct caaaggccaa agagnttaan ttanaanata attcatgtnt 360
tatataatca ttcgaacaaa gaaaaagaaa agcaataaag ttgagtgaat aagatcttaa 420
atggcacaag aatgatgaaa atcttgggtc tattcttcat ggggaattct tatctttact 480
tcttaatat tcttaatttg ttagtgtgca cttattcccc tcttgctctg 530

<210> 1395
<211> 365
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1395

tacttttgtc ttgaaggcag ttctataagc ccataatgca tcatccaact ngcttgacca 60
 atccttttta gtggaggcta cagttttctc caaaatcttc tttggctccc tgtagaaaac 120
 tctagcttga ccattcgttt gcgggtgata cgatgagact actctgtgcy tgacattgta 180
 atggctcacc atcttctgaa gttggttggt gcaaaaatga gagccccgat cactgattag 240
 gaccctcgac accccaaagc aagcaaaaat attcttcttc aagaacctca ctatacgttc 300
 agcatcgctc tttgggcagc cactgcttca acccactgga gacataatca cagcccaagg 360
 atatt 365

<210> 1396
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1396

gctgcatgat tacatctccc ctttctcaag canattcttc ttgatatcat caaaatcttc 60
 atgatttaca aaacctagtc aaattctaaa aaaccctaac tgacataagc taaaaaaccc 120
 tagtcggcat caacttaaaa atagcactga ccgatgttga tcgaaaaaac cctagctaac 180
 atcgactaaa aatagcctgg ctgatgtcgg caaaaaaac ttagtcgacg tcaaccgaaa 240
 atctgtagcc gacattggct aaaatatcct agccaagggt gaccgaaaaa ttagtagcta 300
 atattgacta aaaagtagct ctaactaatg tcggttgaaa aagcctagtt ggcacagcc 360
 aaaaaaacca tggatgtcgg tcgaaaaaac ctacctgaag tcaagaaaaa acaacctacc 420
 cggcattggc caaaaaac 438

<210> 1397
 <211> 58
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1397

agcttgctg tcgcacatcc aaattccaaa cattactaat gcgcttttat tntcacct 58

<210> 1398
 <211> 261
 <212> DNA

<213> Glycine max

<400> 1398

tcattagatg ttgcatttca gtatcacttc ctctattgga agaacgatat gcacttcttg 60
cattgtaaat ttgtttgatt gtgggtgcaac tattggcatt gtgctccttc aatgttagca 120
ggatgtttct tggtttcacc atcaactgtg tcatatcaac aataatattc ttcctatcct 180
tagtcaatcg cccaatgtat ggatgtccaa ctaaggactt gaccaattca tgacttgtga 240
atcccataaa ctaacttcac c 261

<210> 1399

<211> 207

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1399

agcttctctga tngncctaga tggacccagt gctgaaggac acccctctaa gacaatggag 60
gatatacatg gagaataaga tgaagaacaa ggaattaaag agaattcacc aaacaaaaag 120
atagaggaag cataagaaca tcacctagat gaagatgctc ttgataccac atgatgtaag 180
ctccattgga gcttgtaggc ctaggat 207

<210> 1400

<211> 430

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1400

ccctgcgaga gctntttcag acttgaagct cgtaatccct caagtaacta gggatgttgc 60
tccctctcct gggccttcct gaagccattc tcgggcttcc ttcttcattg ggccttgaag 120
cttgcggttc agggttgttg ttcgtaacat tcccgcggtc ttcaaacaac accttgcct 180
caaggtgatg cagctcctta agacatgcc agtcttccca cgacgtttca tccaggtgca 240
ggccctgccca ctgcaccaga accatttttt tggacccta gtccgtcgga actgtcttct 300
gaccagaat agctaattgt gtggatgatg gctgattatc catagccccg gaaggaaaag 360
tctcaactgc tattggattg ggcgagccca cgaaagggtt taggatggaa caatgaaaca 420

cgggatgaat

430

<210> 1401
<211> 520
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1401

gatttgacac tcgaanacgg aaaannaact ngaccgccgg gacccaccgt ggncaagcta 60
anncgcaactt attttcggtta cttgtgcacg acccacagaa ccgaatgcca ctctaagcct 120
cccgtgctga aacaagatat taccctctcc tcggcgacaa ctggaacctt gcaatggccg 180
agggagaaca gagggacgcg ggctaacatc gacgaacaat aggctgggtg atgacggcaa 240
caaaaccata gccgcgccta cgaaaatctg taggcgactt cggctaaagc atcctatcca 300
aggttgacct gaaaacttct agctactata gactataaac gagctctaac taatgtcgcg 360
tgaacacgcc tacgtggca tagcccaaaa aaccatggat gaccgtcgaa aataacctac 420
ctgaagtcaa gaaanacatc ctacctgcta tcgccatgat acaccctggt tgacatatgc 480
aaaagaatct cgctgaagaa acttgcacca gccgcaccct 520

<210> 1402
<211> 60
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1402

agctttataa ggcgagggtta gggagacgaa gtgtaagtgg ncgcgatata cgaagatgat 60

<210> 1403
<211> 568
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1403

aactcgccgt gaaatgcaac aataattttc gaatttaatt atntnnntan nnnnaagaga 60
gcggacgagg cctggaaacc gaacannagc ncagcngnag aaaggngacc cacacatggg 120
actatagggt ttcgggccac ggagcacaac aagaantcca catccacaac gcgcgcatac 180

acccaacata ccctggggcc cacctccaac tgagctcacg tactcccacg gagcccaaatt 240
 tctcgatgac ctcaacaccg ggactccaca aataccccca agcatcccca acatcaaagt 300
 aataacaacat tccaacaaca caagctaaca cagcccagca aaacagggca gaagcagaag 360
 aactgccac aacaccaagc aaatcacagc tggtctcacc taaagaccgc agaacaacc 420
 cttcgccac acgaagagac gcgctcacca ctccggaaat gccctccttt gcgatttgga 480
 gcggaatagg caacacaagg tcgaagcccg tcgggcacca aagttgagga taacaaaaca 540
 acacgccgcg cgcacgcaag gacacccg 568

<210> 1404
 <211> 520
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1404

ggcccttatga atcttcaatc tacgaccgcg atcctntgag tccacctgca cgcattgcaag 60
 ctngataaca aggcctcttta gtttagtata ttttaanggca tgctcctctt ccattntgca 120
 tcttgctaca ggaaggtgcc atttggtaca gctaagaatt ctttagaggg ctgatggggt 180
 ttatcaacaa ggtagtccca actaggattg gacacttcca ccgttggtatg ataggcatct 240
 tctacaatat cctttatttc catgggatct tcattctctt tatattgcgc atcctctntg 300
 gtgttctgct taaagagtca gaagcattac ccattttctc ttataatgtg tgaatctggn 360
 gcattttatt tttctagaaa agaaaataca attatcccca tgagactcat tagacatcca 420
 ctccananaa aaaatcgta gtcgttaatg ttcactatct ttgttgaaa attctcgaat 480
 aattcaacta attatcacac ataaggctga cctgttatan 520

<210> 1405
 <211> 497
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1405

aggttcttaa ggaatgaaag aaaggagagc acttgatcta ttttaagatc tttnncttca 60
 acaacaacac cttacaaaaa ctcatgaaaa ataataatgc aaaactaaca ctaataagat 120

gttgacaaaa taccattat gggtaaactc aaagaaagaa gaanaaggct taccatccaa 180
tagtggggtc acaagctcaa ggaaatagat gagtgc aaat tgcctanag ggaaataagc 240
cctattcttg agagtgaatg aaaaacctcc ttatggttgg aggagaaaat gggaaagctc 300
tgagaaatga gtaaagggtgc atagttccaa agtatggaga atggtaggaa aagaanatgg 360
ttntatctta acaaacctcg aggcccatc tntctagaa ctnttactca tctaagct 420
taaccttttt cttaaggac anagactacg gtacacaact aaactttgtg tcatcgagga 480
aacaaaaata tggttgt 497

<210> 1406
<211> 372
<212> DNA
<213> Glycine max

<400> 1406
agcttccatg acaatgagag gttatactcc tctttgatgc gaacacgata acgattgatc 60
tgctccctt tccatcatc ggggtaccac ctgtgccgcc agatctccta caacttttgg 120
gcgtgctctt tgaatgatcc gacccctctt ttacacatgt tctcgcgacg catcctatcc 180
gcaaccatat caaacttget ctgactctcg cctccaaaag gcatccatta tgccttttca 240
aaatggactc cgcaagggtca acgttacgta ccaggtaaca cgccccata tgactctctg 300
gaggaagcat cgcactctta tctttggcga tcaccctctc tgcaatcatc tttaatggtc 360
ttggacagaa ct 372

<210> 1407
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1407

ngcttgtctg ttgtcgcagc cataacggac cttaaatact agctgggtacc ggnntgtaaa 60
naagcggctc ttatataatg tngttgctta cgacgaaaca cgcgaagtgg acctattata 120
tgaaattctt atcttttagga gacatatcga gttcatatct gtttcgtata ttgaagttac 180
agtcttgtgt acagtggacc tggaggagac ggaccaatac catgcagagc ctattttttt 240

tattttttatc aaagatctct acctccatcc attcaaattg atgataaaga gccttaacat 300
 tgatgtaata acaccaagtt gaaatgtcgt tgagctgcag ttaacaggac gatgaaacaa 360
 gcaatatttc ttttggccat gcgtttactc aatgggtctag aaagatgcaa gttatattac 420
 atcgggttatc actgaagtga agatgccctt ttacatcgct aatacacgtc ggtgaaacaa 480
 tg 482

<210> 1408
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1408

atctcttgac cctaanagnt gctngntgta tgggggagtc ttctgcttcc taaaacataa 60
 caaaccaccc cttacctaca atttatttaa tcaatgtgtg tggatcatggt aaccaacaac 120
 actctnggat tctaagcaca agactattcc acttaattta atataaggcc caaataactcg 180
 ccacaaacct tccttgtgaa gaagatccta ccaaactaag ctcatgtgga aacacatggg 240
 aagagtggcc atatcaatac ttgcgaccac tctaaaagta ttccaaagcc gtgccccaaa 300
 aaagagcggg ggcttctctc ccagaaagcc ccagaggggt acccctcat ttccatggcg 360
 gaactctccc accaccccag tttttc 386

<210> 1409
 <211> 534
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1409

nggagatgac atgttcgaca gccattgcga gnancgnnga cacannnnac tactccaggc 60
 tggaggaata tgggggaccc atcacatgtg tgcttngtgg cttgttggcg aaggngcaca 120
 acaagntttt cacattcacc atgcgcgcac taaaccatca tcccctgggtg gccaaacttca 180
 actgagctca cgtactccca tggagcccat atcctcggtt ctcttaacaa cgggtcttca 240
 ttaattcctc caaactttcc caacattcaa gtaataccac cattcaacaa cacaagctat 300
 cacagcccag caaaacaggg caaaagcaga atactctggc caaaacacca accaaatcac 360

atcttttctc acttaaagac cccaagtaca aatccttcgt ccacacgtag agacgccttc 420
acgagtccgg aaattgccct cttttgcgat tgagccgaaa tgggcacaca agttgaactt 480
tttgggcaca ttgttgagga gaaaaaataa aaggctcctg aaaaaagaga cttt 534

<210> 1410
<211> 409
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1410

tccttagagt caccgcgggc atgcaagctn tgagggtgcg tagtccacca tcttttcata 60
gtagagtatc gataatgtgt ctaccatcac gattatcgtc tccctttcca tcataggggg 120
taccacctgg gccgccagat cctccacct tttgggcgtg ttctttgaaa gatccgtccc 180
cctttttaca catgttctgt agttgcatcc tatccggaac catatcaaaa ttgtactgat 240
actgcctaac aaaaggcaac cattaggtcc ttccaagaat ggactcggga aggttccaag 300
ttagtgtacc aggtaacagc taccacagta agactttctt ggaaggaatg tatcagcaat 360
tcctcatctt tggcgtattc acccatcttc tgacaataca tcttttagat 409

<210> 1411
<211> 435
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1411

gctggtgagg gtganaatct cagctgggag ctgcccagag aagaaattgt ggctcatgtt 60
gagactagtg aggtttgtga agatgatgaa ttgcttcctt gaaaccacac ctccaattt 120
cttcatggaa aggtctatgg aagttacaat tgttgagtca ttgttacact tgatgccgga 180
ccaagaacat gcataggatt tcccagttaa ttttctcca gagggcacca cccaattgtg 240
caagctgttg tcatcatcta caagctccga ttttaggctg agaagtgcct ctgagtaagg 300
gtcaattgct agaactgctg atgataccat gaagaaggta acaagaataa gatttttgat 360
gtagaaagca ttgaaaatct ccattggaac ttggagagca tcacaaggta gagagggaca 420
atngtaagta cccta 435

<210> 1412
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 1412

agctatggag aaccaagcca atcagaatgc tatacgaaat atagatggga atagaggtaa 60
 caatggtggt aatgacggac cgaggcagaa cggggttgag ggagtaaagc tcaatgttcc 120
 tcccttcaaa ggtagaagtg atccagatgc ctacctggac tgggaaatga agactgagca 180
 cgtatttgcc tgcaatgact aactgatgc gcagaaagtc aagctagcaa cagctgaatt 240
 ctccgactat gcccttggtt ggtggcataa ataccaaaga gaaatgttga gagaggaaaag 300
 gcgagaggta gatacatgga ctgagatgaa aagggtgatg agacaaaggt atgtgcccac 360
 tagctataac agaaccatgc gacagaaact ccaagggctg tccaagggg aattaaccgt 420
 ggaagatatt ataaagagat ggaaatg 447

<210> 1413
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 1413

gagacaactt actcgagaag ctagagctta gctacacaca cccctctaata aactaagctc 60
 acctccttga gaagcttcct tgagaagatt cctaaagaag ctagagctta gctacacata 120
 cctctctaata agctaagctt acctccttga gatgagaagc tagagcttag ctacacaccc 180
 cctataatag ctaagctcac cccatgacag aaaacatgag aatacataaa aaaaagtcct 240
 tactacaaag actacttaata agaatggcca aaatacaagg cccagacgaa agaataacct 300
 attctaatat ttacaaagat aatcgggctc atacttagcc catgggcttg aaatctaccc 360
 taaggctcat gagaaccctc gggccttccc ttggatctct agcccaatct acttgagatc 420
 ttctacccaa t 431

<210> 1414
 <211> 488
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 1414

ccgcttctga tgatgaatca agttgattca agtagttntg atgatgataa aaagcccaag 60
agtttgattt caagattgag tcaacaagtt caagatcaag attaaatcaa gattaatttc 120
aagtttcatg agaagaaatc aagaagattc aagattcaag agaagtttga tctcaagatt 180
caagagaaga tgaattcaag attcaagaga agaaatcaag aagacttcac aagggaagta 240
ttgaaaagat ttttcaaaaa acaaacatag cacagttttg tttttcaaaa aagtttttct 300
caaaattttc taagttccag agtttttact ctctagtaat cgattaccaa ttacctgtaa 360
ttgattacca gtggcaaagt ttgatttcaa aagcttttaa ttgaatttgc aacgttccaa 420
ttgttnttta aatggtgtaa tcgattacaa tatattggta atcgattacc agtgatatctg 480
aacgttga 488

<210> 1415
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1415

nggaacatat aaaattcaat acaaggccct ctcaaggatt tattcaaaac atatgcaagt 60
tgattgtttg aactaacaaa ctcggtagaa atctaattgg acagtagctt tccctcataa 120
aatgacaatc aatttttatg tgcttagttt tatcatgaaa cacttgatta gaagcaatat 180
gaaagtttgt ctggttatca caatacaatt tcattggcta aatttcatag aattgtagtt 240
cttgaaggag atgtttgatc cacaccgact cacatgtggt tgtggccatg gtcctatatt 300
cggcttttgc actacattga gcaacattaa actgtttctt actcttcta gagataagat 360
ttccaccaat ggagacacta tcttgtgtta aagagtctat ctataggaga acctgtgcaa 420
tcaaatcac aataccaaa gaattgcgca tctcatttat cttcatgata taacta 476

<210> 1416
<211> 313
<212> DNA
<213> Glycine max

<400> 1416

agcccatca ctacattctc ttgtagcaag atatttgttt ttatcagctc catgggcaag 60
gacatggcct acatagacct tcttgacact cttgagagat gcaacgatta tactccctcc 120
atatcgcat ataagactta attgtctaatt ccattaagat aaaggaaagt gatcaaccce 180
gccgataaca ataaatttgc gtcacattca tcacttcttt cacaactatc cccgtagcta 240
atacttctat ttcttttaatt ggcttatcaa catattacct ctcttttttt aatgaggaac 300
atttctagtc taa 313

<210> 1417
<211> 406
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1417

ttgatactat tattataaca atgaacactt atgaatattt gtgattagat gtaatgtata 60
aactctgata ctatttatac aaatattatt tttcttaatc cactttttta taaaaaaaac 120
agttatgtat aaaatacttt gcgtagaaaa caatcttgaa tatctaattg tcattcgtat 180
aaaataatat atgagtaaga tgatattttc taataaacat ttgaatntaa ttaaaatata 240
ttaataatat aaaaaaatta tattatcatt caattacaaa aatattatgt ataataaatc 300
tggtgactct aataataatt atctctaaat tattttaaaa atgattcttt attggatgat 360
aatgtaaaga tcttttaaca ctaattgtat atgacaaata gatatg 406

<210> 1418
<211> 398
<212> DNA
<213> Glycine max
<400> 1418

agctctctta agacgaatcc tatttatgct agagcttagc tacacatacc tctttaatag 60
ctaagctcac ctcttttaga tgagaagcta gagcttagct acacaccccc tataatatct 120
aagctgaccc ccatgacaga taacatgata ataaaacaca agtccttatt acaaagacaa 180
ctcaggatgc cccgaaatac agggctgata ccctatacta ctagaatggc caaaatacca 240
tgccttgacg aacgaaaaac ctattctaatt atttaciaag ataagcgggc tcatacttag 300
cccatgggct cgaaagctac cctaaggctc atgagaacct tagggccttt ccatggatct 360

ctacccaat ctacttgag tcttttaacc aatgcct

398

<210> 1419
<211> 416
<212> DNA
<213> Glycine max

<400> 1419

tgaagaactt ttcaagaaag tcataccacg aacttgaatt ccactcactt aaagttctat 60
tacagctagg ctatgttaca agagctactc tttttcctac cttgactttt tatccatata 120
aaaatatgaa ggttcttgcc gagaaagttt taatgagacc tcacccctaca aatattatca 180
atgaagaaat atttcaacaa tcacacttat gtcattatat tactcctttt ttaatattgt 240
tccccctaga ataccctctt tggctaaggt taaacttcat taatcataca ttagtagtcc 300
ctcctgaata ccctgttgaa ctaaggttta acttccttaa tcataaataa tagctccttg 360
ctataaactc tcttcggcta aggctaagct catataatca taataacagt tgaatt 416

<210> 1420
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1420

agctngacga tgttganaag aaaatatgtt gtcataattg aagaatgaac atgtagcttc 60
taatgactct gaaatgtcct acattaatat ataattgtta tgctacaaat tcacataatt 120
cttagtatgt tacgttaaatt ttaattggca aacgtgtata acttatggat atactattat 180
gtcattaata cgaataccta gtacatttaa cggttaccta atttaaaata atttgtaaac 240
attaacccta atatttagag gaataaacag agaataaaaa ttataatcca aaataactta 300
tcatttacia aatgtgtggg aaaaccaata tgtttgcaaa tacatgaaaa ttatatacat 360
actcgacata tgaaaatata acatggatga tgtctatggc tgatccgtgc gctgccttct 420
tcgagacttg acataaacat tgccatct 448

<210> 1421
<211> 417
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1421

tctcccgcaa ttttctataa atagggggag atgtgaagta tatgagggtt cagccccctta 60
tgcacttctc tctctttcga aatagttgag gaaaattagt tccgtgaaga acatccaagc 120
cgaggcgctt ccgtaacatt tacgtaacgt ttccgtgagt aattacgcga agattctcga 180
ccgttcttca agattcaccg tttgttcttc gttttcttca gtcttcaacg ggtaagtacc 240
tcgaaccaag cttttcgatt cattctatgt acccgtgggtg ggccacattt cgtttcatgt 300
atatttattc tcgtctccat ttacttttta ttcccccttt tgacgtgctt angccattta 360
tttaagtcgt ttctcgctta atctgnaaat aaaataaatt tccaccgatc gttcgaa 417

<210> 1422

<211> 405

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1422

agctnttnta agcattttta atacttacta gcagaatttt caaacgcgan aaactgaatc 60
gaaccaacct acaaaatatt ggtttggatt tcataaataa tttaaagtgc accaaaccgt 120
actgcaaaca ccctagatc gtagtattgg tagatagcta atgctttctg catgctgggc 180
tctctgaaat tcttcgagct aactgaattt gctaaaaaca ttgttggata gttgccttaa 240
ttgcagttgt ccctagcctg ccttttagtgc agtctctttg ggttgcctaa tttcagtctc 300
acatcaattg aagatatagt caatataatc cttataaaag gcttcaacaa tcttgacctt 360
acaagccaat tgggttgggt caagttaacc ctaagcccaa attct 405

<210> 1423

<211> 450

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1423

cgtttttctt aattntatga gtttctatct ctattcaatt atgtaaatat catttaaattg 60
ttatcttctg ttgatcgtg atattggctt tgttctgctc aagttcattc atttgcagca 120

tgtgctgatt tattatgttc atgagatttc ggtgtgtatc aatttgccat ccgtagcagca 180
aattagaatg gttaataagt ctagatgaat atgatttttc ttcaatgcga tcttcagtat 240
tattagtttc tgaatttgat catgaggcat atggattgag ttttaaactt ttcttcttgc 300
aatgtagagt agttatgtgt tgcgttctgc atagcatcca atctccgcat gatttggtga 360
tgtctagccc agatcanact ctcanatng tcttcaactt cacaattttc ttaggtctac 420
tatgggtggt tcttgactta ctctctctat 450

<210> 1424
<211> 374
<212> DNA
<213> Glycine max

<400> 1424
agctttggag catgacgaaa gtttgtcaag gttctaacaa ttccatcatg cattatgatt 60
tgtatagagc caatcccact agtettacaa gagggattgc ttcccatcat aacattacct 120
acggattttct tatcataggt caccaaccag ctctatgtg gacacatatg ataagaacaa 180
tctaattcaa gaacccaat tcaaatgac gtcgttattg atcaacaaca gagaacacca 240
aatcagtttt tgatgaggaa tcattctgaa cagagggtgc aatagatttt ttttctcttc 300
ttttcttttg acaatatatt ttctagagac ctgggtcctt gctataatta caaatatccg 360
tttgtttaac tttt 374

<210> 1425
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1425

ttacggacct atgaaactca gctatgctgc nacattacaa tagacctcct caacctcagc 60
agcaaaatca accacagcag aacaattatg acctctccag caacagatac aacctggat 120
ggaggaatca cctaattctt agatggtcta gccctcaaca acaacaacag cagcctgctc 180
cttctttcca aatgctgct ggccaagca gaccatacat tctccacca atccaacaac 240
aacaacagcc ccagaaacag ccaacagttg aggctcctcc acaaccttcc ctctaagaac 300

tcgtgaggca aatgacgatg cagaacatgc agtttcaaca agagaccaga gcctccattc 360
 atagcttaac caatcagatg ggacaattag ctacacaatt gaatcaacaa cagtcccaga 420
 attctgacat gctaccttct c 441

<210> 1426
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 1426

agcttggtgct cgaggccttg acctcataat tgtctcatca ctgtgtttga tccattctga 60
 gagtttccag ggcttctgcc acttccattt aaactgtagc agccattgat gatgacttct 120
 cttccacttc caaagttttc cggcttgctc tatagctgct agcctcttcg ttgacaactc 180
 tccaatgggt atcatctgga tataaaccga ttaaaactta ttgagaaata aacactatca 240
 tcatcatcat cagggaaata gaatctagca aacatacctt tcgtgcttca tctaaaaatg 300
 tagctgactc cctgcctgac caattaacaa ctccaggagt gaatttgagt tgctctggtg 360
 caggaagcga catt 374

<210> 1427
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1427

ntgaagaaac anaaatgaaa gctctaagga accgaatgca tgcacaaatt aaaattataa 60
 aaacaaaaaa aagaagtaag aaacaatgaa cactcaccta gaatggatga acgcaagaag 120
 ctttgatgaa ggaggaagag gagatcgaca ttaagagact aggagggttaa gaggagacgt 180
 aatagagagg aatgaaaagt gatgaatgag aagagattgg aaactgatag gcttaggggt 240
 taatttgtga gagagagact cacaagaggt ataatgagag attgagtga tatgaaataa 300
 aaaagttagg gttgcacttc cttttatata tagataaggt taaatatgta atatacttac 360
 attgcattag taattaaata aaattagtat aagaataata cactatggta actaaataat 420
 aataataata tatgatatat gatataatat aacacaataa tagtaataat aat 473

<210> 1428
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1428

agctagtang attatggtgt acccgtcata tgtggtacta ggtggcgatc gggagatggt 60
 gcaaatcaac tctcccatat ccacaaatca cacatgaacc caccatcccc agttgcccac 120
 cttcaactga gctcgcgtag cccacgtag cccttattct cgttctctctc agcaccaggt 180
 ccccatcaac cctccaagc ttccacaata tccaaacatc atgaactacc ctaaaccaag 240
 aaaacagggc agaggcaaaa aaactctatc caaaacacat tccaatacca cagctttccc 300
 tgctcaaata ccccgtaac attctctttg ttcttattcg ctaaccgttg gatcgactcg 360
 caaattttac tggagggtccc tagtacataa gtctacattg tgacgcgtgg gatctgctat 420
 aaaatgtcca gaaccaata tgtactac 448

<210> 1429
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1429

tcttgcgtag ccgctcttgg agctcagaan atccccaaaa caaatccctc ttattactag 60
 ctatnttgaa ttctttagtt cctgaatgta caaccttcaa attgttgctc attccccctc 120
 ttgttttctg caaaaaagaa aatcaatatc aaagaaaaca tggatgaagc cctaaggatg 180
 ccatgtacat gtgtatttct gaagatatag tatttatatt ccatcaagca tacattgact 240
 gctgattaca tgtaatagac tttntataac atgggtgccc canatcacia ttaanaagca 300
 caactaccaa tctttcagag tcctttgggt aatttgtctt gtctccttct gtggtggggg 360
 ttaattaata atattatata ttttgccttc aaaaaacact tatgactaat ccttttttc 419

<210> 1430
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 1430

ttctttttgt gnacaacaca ccttcatgtg tgggtgcgtga gcagagagag aaataattta 60
tgcttttcnc tccctcactc ctttcaatac tatccaactg taatcgctc tactatgcta 120
catgtacca cttgtatatc cagatagtat gcctcctatc aactttgcaa cttgagctag 180
agtatctacc ataataccca ctaactaaac ggcacccatg taagagcacc tccatataat 240
agaaccgtgt atgaaacgac cagtgcctga actgagagat atatcttatac tatctcatga 300
tcctctatca cgatactcga actccccaag gatataacat ccgataaact tattttctgac 360
tcccaatana tatccatatg ttcgtagcct ctcttaaata aagcctctct ttgacgttca 420
ccgcttattg caacaagaat ttcaattctg acctcaatcc actaacg 467

<210> 1431

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1431

agcttgtcaa atatacttat gaatactttt cttaacagat attcaaattc atcgtgtaat 60
gaggaattgg ccttttgtat taaatttaac ctatatggc aatgtttttc actaatgaaa 120
acaaaacata taaataaaat aacaattttt taatcagtaa aaagtagatg taaattggta 180
caagggtaac aaaaccata tacaaaaact gtgaaaccac acaccctact gtccacttca 240
ctggttattt aatattttgc tcaacacaga gagaaaaaat attttccttc ataataaaaa 300
gntaacgtct tattattatt tatttgtaat tattcttttaaaaataaatt aagagaaaac 360
gactaatatg ataaaaatct ttngaattta tcccagattc tatcccgata atngtgaaaa 420
tcatctcacc ataactaa 438

<210> 1432

<211> 408

<212> DNA

<213> Glycine max

<400> 1432

agcccatgtg tcgttcctgt catattgggtg ccaaagaatg atggaagctg gaggatgtgc 60
tcacattgca gagctttcaa caacatcacc attaagtaca ggcattctcat tcccaagcta 120

gatgatcttc ttgatgaatt gtatggatca tggtacttct ctaagataga tttgaaaagt 180
 ggatataatc agattacgat tagagaaggt gatgaatgga aaacaacttt tataaccaag 240
 tatggcttat atgagtggaa ggtaatgcc a ttgggttaa caaatgacct tagtactttc 300
 atgagggttaa tgaatcatgt tttagagagag ttcttacgac aatatgtggt tgtctacttt 360
 gatgacattc ttgtgtatac cacaaatgtg gatgagcatt tgcaacat 408

<210> 1433
 <211> 444
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1433

agcttgtagg attatggngt acccatcacc tgtggtacta tgtggcggtc gggcgatggt 60
 gcacaacaag ttttccacat ccacaaacaa cattcaaaca gcacaagcta tcacagccaa 120
 gcaaaacagg gcaaaggcag aaaactctgc tcaaacacca accaaaatca tatctttttc 180
 tcaacttaag accccagtaa caattccttc gatccaattc gtttaaccgtt ggatcgactc 240
 caaaatttta ctggaagtct atagtacata agcctacatt ttgaccgttg ggatctacta 300
 gaaaacatcc agaactcatt ctgcactaga ctttccacag gcaaccacac acaagcaatt 360
 ntctgcacaa agccaaaatc ctgctgcacc tattntgaca gcaaaattct gcataagtgc 420
 agatttcgaa aatcacactt cccc 444

<210> 1434
 <211> 466
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1434

ggcttgccgc acatccaata ccaaacacca cacttaatac gaaccataac accaaccagg 60
 gaaggaattn tccagaaaat aagcctgtaa aattcacctc gatttcggtg ttgtatgcta 120
 acttactccc atatctattc aataatacaa tggtagccat aatcccagca aagattcctc 180
 aacctccatt ttctgagga tacaactcga atgcaacatg tgcttatcat aaaggagtta 240
 tggggcattc tattgagcat tgtatgacct tgaaatataa ggtgcaaagt ctaattgata 300

tggtctaact aaaattcaag gagggcaatc acttgatgaat tctgacgttg tcaagcgaca 360
 ctattcatgg ngcaatttga aggttggttg tagatgtctc caatgactca ttangatttc 420
 caggtttatg ccattactgt aaataacagt cacaatgcta ataata 466

<210> 1435
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1435

agctntagaa acctacacgg cgatccaacg ggactagcac aaagaaatat aaatcgtttg 60
 atttgatgtt atcaacaact cagaataatt ttttttggca atcctcgtct tttcgaacta 120
 gccaatggaa tgtcattata ggtacatgac ccacttttta ttcgatgtat gttctttcaa 180
 tttgaaattg ggttgagatc tagagaaaac caacaactaa actcaccat gtaatgtact 240
 ccatttattt aatgtgttta aattatcagt tcttaatttg agatatagta ttctatttaa 300
 tgattttcta aaagtatatt gtatttttca attaaataaa aagctataaa tttatttttg 360
 attcctaata aatatctaatt tnttggtgtt gtcctttaat aaacttttct ttttcgntga 420
 gtccttaatt aaacaaaaat ttttaattt 448

<210> 1436
 <211> 484
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1436

tatgagcatg aaacctttct ccaccaaccg agaaagtaac atcaaatgat tctcatcct 60
 ctaacaacat cccaaaatgt tcaccaatat cagattcagg aacctgtatt gtgtttaact 120
 gagaagaata tatctatgga cgacactaaa accgcaatag tgcaatttat cttcaagcag 180
 tcatccttga gaaaatttga cgtctcaagg tgtctccgtt tgaaaaaccg cgtatagccc 240
 ctattacaca acaagtgcac cattgatcac tacgtaatgt acaccacaaa aaatggatac 300
 aagagctaatt aaatcatgat gatatccaaa tcatatcacc aaaatcacaa ggttctctag 360
 ttcctttgaa aatttaattt ttatgtctta tattctaata aaagagctat ctctttaacc 420

cctgacaata gtgaaaaaag aataaaagaa aaatcaataa cactttgctn tattntaaag 480

acta 484

<210> 1437

<211> 417

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1437

ctcttgagtg agcattttaa gtctgcatat canagcacag tacataagca aggtcttcat 60

tttgaataaa taacattgtt agtttaccag ggagaaaaat caacaaaaca aagatgtagg 120

aacagagaag cttcctaaac accctaaggc caatcccagc ctagaaataa atgtttctga 180

gtgcaaaatg agagtgaag atgcagaaaa gaaaaaaaat cttaatctta tttgagaaga 240

gggaaacctg aaagcacctg cttctaacct atgttcagaa ttaacttatg agttattatg 300

tgcaaatect ctcagcacta aacttcaatg caggtgacaa ccaatccgta aacacaaaaa 360

acttttttga agagtttgca ttgataatta taattntgga aacatatttt tttaact 417

<210> 1438

<211> 479

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1438

tagttggatg anattccatg atcacacctt atagtaagta gataaacatc ctanatcagg 60

aagaacaagt tgatctagct acctagaaat caaatgtgta atcctaacct atgaagtatg 120

ccagggatgt cctaccttct ctcttacata ttgcggcaga gcaattgatg ccaagttgca 180

cacagccgtt tctgttggaac ttgtatactc aattatctca gtgcacaagt ttcattgactt 240

gattgtgccc aaattctgtt gggttgctttt cctattgcaa gtgtcctagg atatagaaaa 300

atgaagaggt ttcaatgaaa ataaatacaa aatgcactga cagaaactta gcaaaagtca 360

aacaagcatt tgtaaaccac cttataaaat atgtaaggag ttccagtttc tatctgtgac 420

ttcaaaattt caaaccagag agattctgtg cctgaacaac cttctttgct tttcccat 479

<210> 1439
 <211> 436
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1439

agctntgatg atgtcgagaa gaaatcacat gtttgtcatc atcaaaaagg ggagaatgtg 60
 attgtatgta tacatgattt tgatggtgaa gaatcaaaac aaggcttatt tgcttcaaga 120
 ttaatacaag attgtttcaa caaacaagc cttgattcaa gatttcttca agatcaagcc 180
 ttacctcaaa acgaaagggtt tcaagtcaac caaggcacat gtaattgatt accaatacat 240
 gtaattgatt accaatgggtt tgaaagtgtg taatcgatta ccagagactt tgaacgttgg 300
 gaattcaaat tttaaagaa gagttacaac tattcaagaa aaataactat gtaatcgatt 360
 acactaatgc tgtaatcgat taccagagag gattntcaac gaatatcgcc aacaatcaca 420
 tcttatcatt tggatt 436

<210> 1440
 <211> 487
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1440

tctgcttatg tggcagggcg ggctaccttc actttcttgt ctccaacgcg agctgtgacc 60
 actgttcttc cttcccgga tgcttctttt catgtccgcc tgagtgggct tatagcctaa 120
 accatacttc ccacgatttc cttgggcatt tatcaggcta gttatgccgc cgttgtcttt 180
 gcctaaaccc attctgggtt cataaccgtt cccaacata actcggggcca tcattactgc 240
 tgcacggac agacaaggct gccagagag ggaatccacg gaggaaatgc tgaccacctc 300
 anaagactgg aaagcggttt ctaacgattc ttctgcggct tccacataag gcatagagga 360
 tgggcagctc accaagatgt ctctctcgct tgacacgatg accaagtgcc cctccactac 420
 gaatntcaac ttttggtgga gcgtagaggg cacaactccc actgagtgga tccacaggca 480
 cccaac 487

<210> 1441
 <211> 417

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1441

agcttcttat tcaatgetca tcttggtggt gaagctcctt cttccatggc ttattcctta 60
 atggatggcg cctcctetca cctcttctcc tttgtcttcc gctgcatctc catggtggaa 120
 aatcaccatt aaaggacctc attgaagctc anagatccag cctccataga agccccacaa 180
 gcaagcttcc atcacattnt aacgtccctc ttgattctga accatatatt ccaatcaaga 240
 gatctttctt gatcggtggt gctgtggttg tgtcatttgg ttaccgcaaa gagcatgatg 300
 actcttgggt aaaaaagggt gctcaaccaa atgatgatga aggagaatta ccggttgaag 360
 gggactcttc tcttcttttag agtattttga caggnttgat ggactcanac ctatgtg 417

<210> 1442
 <211> 428
 <212> DNA
 <213> Glycine max
 <400> 1442

cctctatgtc tagactctct taacatcaaa ggattcttga gtaaaagttt agaaatgtta 60
 aagtttcaag agaagttgac aaagtcataa ttcaatcccc atttcttatg acattctgat 120
 cacttcataa tcaccagcat tgacattttc ataagaagga gtggaccgcc caacaccacc 180
 agatttttgt gcattatcct cttccataac actcttacct cccacgcatt tattttgttt 240
 gtgctcatag tgaccacatc taaaatagat ggggtgcaac cattcatact caagaaacat 300
 gggatatccc ctaaccataa tgtgcaaagt caattgtcta tccaaatcaa tttcgacaca 360
 tatacgtgtg aatttaccct agattgtatg gacgtcaaat tattaatctt aagcatgggt 420
 tctagcat 428

<210> 1443
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1443

agcttaccta caagtcctaa ttgtcattct atactagaat caattcactt tagactccaa 60

tttccactaa tccccanagt tggtttctct aaccctcaaa atctcacact tttctaccta 120
 caacattgtc attctcacat ttaaccctaa attaaccctc cccatcatct ctaccagttt 180
 tctatcaaca aatttcagca cacaaacctc acaaagcatc accataaaac cctaaaatag 240
 aatgggtaaa tttgactcac atccaacatg tcaagtttag catgctttca acaaatttct 300
 tcacaaataa ctaccataag gcattaacct agtaaaacta cccatcatat ctccccaaaa 360
 cccaataccc acgaaattca tgtgagaaga agtccacca aacctgaaat tcgaagtc 420
 acaat 425

<210> 1444
 <211> 381
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1444

tgcccaggcg agcaagggtg ctctctccag aagcaacaac cttctggagg aagaatatgg 60
 aaggcccaag tgggcctgat tgctatttgt gcccccttt ttactaaatg cacctccctt 120
 ctattttttt ggtgattctt tttccgtaac gttacgaaac ttacgaatt tcgtaacgat 180
 acttattttt tttccgtaag gttacgaatc cttacggatc atgtatttac tctnttttag 240
 ctntcgaaga agttacggaa actcacggat tgcacaacaa cacctccttt tggtttccgc 300
 cacactacgg aatttcacgg atcgcataac cttgcttact tttgacttcc ggcgcgtctc 360
 gagacttaca tattgtgcaa c 381

<210> 1445
 <211> 329
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1445

agcttctccc ctatnttget atatataggg ggagaagtga agaagaaaag ggttcagcct 60
 cttaggcaact tctctctctc tcaaaagtgc tgaggaaaat tatttccgtg aagaanatcc 120
 aagccgaggg gcttccgtaa cgtttccgtg agtaattacg cgaagattct cgaccgttct 180
 tcaagattca tctttcgttc ttcattttct tcaaacttca acgggtaagg acctcaaacc 240

gagcttttcc atttattcta taggcccgcg ggggtacaa cattgggttac aggaatttta 300
attctcgttt ccattggcctt tttataccc 329

<210> 1446
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1446

ttacggacct atgaaactca gcttggagaa aacaagttct ggcatatga gctattntgc 60
tagtttagtg ttaggagtg aaaggctntg tgggatcctc tcaccgcag accctttctt 120
ttgttcaaag ggatgtgaac aaagtagcta atagtttggc ttcttttagct tccctttttg 180
aggatagagt ttggattgag gaagtttccc ctcatattct ttcccttgtc aatgatgact 240
tacgacctct agccattgtc actaaatcaa catccgttca ctcccctatt acgacgacct 300
ctgccatata caaccttgaa ccagcgtctg cgataacaaa tcaaa 345

<210> 1447
<211> 409
<212> DNA
<213> Glycine max

<400> 1447

agcttgcccta attaacctga aattgagaca aaatgattat taaacacaca aaatgaaaat 60
actaagtatt tattacctat acttaacaga aaatacttat aacactacaa aataaccata 120
aattgggaga gtttgataca atttatacaa gttttataca caaaagttag tcgttttcat 180
cgactaacac atgtacacta ccaccacatc ctccacaatg agaagagtga aagacaaggg 240
taaggaatcc ctaatagaat tggaagaggg tccaaaggta tgtggaatgg agacacgcaa 300
caactgcttc tgaactaagt cataggtagg aactgtagga ctcgataaaa tctagtggac 360
tgcctcaagg ttcatgtga gtccaacaag aacaaccacc atgaaaaat 409

<210> 1448
<211> 439
<212> DNA
<213> Glycine max

<400> 1448

tcgtccgtag atccctcatg taagaatggg cctatactaa acagcattat tgtaacagca 60
taattaaaac caaaacttaa cccgcaaata cctcatgtaa ggctaagttt caatcctgct 120
tcaatcaagt tctaaggcaa tagtacattt tccaatgcta aagtcaccta actatgcaca 180
caaattgggtg atcagaccaa aagcatacaa acattaagca ttgaggggaag cattgaacac 240
agaaaacata atcaattaga tattaggtat ttacatcagt tgttcattag aaatcccca 300
ctagggtggt taaccaacca ttacaaagaa accctaacaa taaatgagat taaaagtaga 360
gaatgatagt tccttacaca agaagaggga tttctcctcc tcttctcagc atctcacact 420
cactctctac tcaataatc 439

<210> 1449

<211> 458

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1449

agcttganat tgaacaacgg aagctctcca gatactctta tggtcataac ttatcacacg 60
gaggtccaat tgaggcgcat aatatatcga gacgctcgaa attaaacaac gaatactctc 120
gagaaattca aatggtcgta acttatcaca cggaagtccg attcaggtgc ataatacacc 180
gagacgctca aaattgaacc acgaatgttc tcgagaaatt caaatgggtca taaattttca 240
aacggcagtc cgatttaggc gcataatata tcgagaatct tgaaattgaa caacggaagc 300
tatccagaaa ttcaaattgt cgttacttgt cacacggaag tccgattcag gcgcataata 360
tatcgagacg ctcgaaattg aanatcgga gctctcgaga nattcaaattg gtcgtaactt 420
ttcaaacgga aagtccgatt aagcgcataa tatatcga 458

<210> 1450

<211> 455

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1450

taacanaagg catgcgaagt ggggtggaatt cctagagcaa ttcccttatg ttatcaaaca 60

taaaaagggga aaaggtaata ttgtagccga tgctctttct cggcgatcatg cttacttttc 120
 tatgcttgaa acaaaattga ttgggtctga atgtttgaaa agcatgtatg aaaatgatga 180
 aacttttgga gaaattctta aaaattgtga aaaattttca gaaaatgggt tcttttagaca 240
 tgaaggcttt cttttcaaag aaaacaaatt gtgtgtgcct aaatgttcta ctagaaattt 300
 gcttgtttgt gaagcacatg aaggagggtt aatggggcat tttgggggtcc aaaagactct 360
 agaaacatta caagaacatt tttattggcc tcatatgaaa aaggatgtgc agaaattttg 420
 tgaacattgc attgtatgta aaaaggcana gtcta 455

<210> 1451
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1451

agcttagtat ttatatttat tactacactt catgtaatac tatactgaaa cagagtaa 60
 ttggaacttg aatgaaaacc tacaattac taccttcccc aatagataga agtagttcaa 120
 cacaagactt agtccccca gctaaggcta tgtgaaggga aatgccattg tgcattatgc 180
 gaatgttcac atcaacacca gcaataagaa taacatactc aaaacacaaa aaaacagaac 240
 ttagttaaca ttagatacaa aaggcacata cttcagatac caacatgata ttgaatattg 300
 atggatattt aattattcta atgaagaatt tgggttactc accttaacca attcatcatc 360
 gtcaatcata acagctcact actagaaaat aagggtttca catcggttat ttaagacttt 420
 caacatcggn tattaatcga 440

<210> 1452
 <211> 396
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1452

tgacacagtg cttgtacaga gctcatctcc acccgagca cataagaaat tatgtggaan 60
 aatgaagata aactgtgtta agcaagacca aaaaacatac aagaagatac tgtcagtttg 120
 tttcactaat taaatcaa 180

taaggcagta cctgaaggaa gtgaattgtc ttttaatcga gtcagaaacc agtatatatc 240
 atttaagata tgtaagttag tggtgtcttt tcagacaaat gaagcattag cgaagcgaag 300
 acacatcatc atgtttgtgca tgtggagggtg gcaggagctg aactgcatat tcaattctat 360
 gtgggcacgt taaggtggaa aatgacactg gctggc 396

<210> 1453
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1453

agcttgattg tagcagtga taaaaacaa acttaacgat agcaacagaa taatttttac 60
 aaatttaata ccattcatca attnttcac actttttcat cttcaatata aatgaaaata 120
 ttatgttagt gaactattca tcaactttttt cattcattnt ttttttatca atggtagaca 180
 ttatacatt gatattccat ataactcaact atagactaat agataatagt gtcactaata 240
 tcttctcgta tacaatcatt ttgtatccta tcttttcttg tatggccaca cattcattta 300
 atatacctat ttctaact taaactatgt aaggaatata ccaataggag aggcacaacc 360
 aatatacatt tgtctgatat cccanaaaag catgataaaa tatacatatc attctaaac 419

<210> 1454
 <211> 414
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1454

ttatattcat gaattgctaa gcgaaattca ggattgttcc tcagtacact aacattatgc 60
 aaaatataga actttgcttc ttccatattt taactcagta gattccaaat atcttttctt 120
 atagatgttt caatttgatc acctttattc catattaaaa tgaaacttgg tgtaaggcat 180
 aatttttttt tgtcttatat taattaagaa ataaataacc tatacacaca aaaaattcat 240
 acctggctat caaacaaaat cattttgaac ctcaaatgtg gatttccatt aatgtgggtca 300
 actatttttc atagcttatt gacttgagcc ttcacaatct agcaggtaat agaaggagta 360
 atagccttca ttgngattaa catgtatcct anaattttcca tcaccttagc acaa 414

<210> 1455
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1455

agcttctccc ncaattntct ataaataggg ggttaagtga agtagaaaag gggtcagccc 60
 cttaggcact tctctctctt tcgaatttgc ttaggaaaat tggttccatg aagaaaatcc 120
 aagccgaggc gcttccgtaa cgtttccgtg agtgatttcg cgaaggtttt cgactgttct 180
 tcggcggttct tcattcggtc ttcacgttcc ttcagtcttc aacgggtaag tacctcaaac 240
 caagctttcc aattcattct atgtaccggt ggtgggtccac atttggtttc atgtattttt 300
 attctcggtt cattcacttt ttataccccc ttttgacgtg ctttaagccat tntattttaag 360
 tcatttctcg ctttaacctag aaataaaata aatttccact gatcgtttga attgtattat 420
 ccgttaactt tgggtgagat gaattccgac cgatc 455

<210> 1456
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1456

atatagagtt tttgggtcat gctggattct attgatgatt cattaaagac ttttccaaaa 60
 ttgctaaacc actgagtaat ctgatgaaca aggatgctgt gtttatgttt aatgatgaat 120
 gcttagaagc ctttaatacc cttaaagcca agttgggtctc tgctcctgtg attacagcac 180
 tagactgggg actagagttt gaattaatgt gtgatgcaag tgattatgca gtangtgctg 240
 tgctgggaca gggaaagggc agaatttttc ataccatcta ctatgccagg aaagtgttga 300
 atgatgctca gatcaattat gccaccactg agaaagaatt gttggcaatc gtttatgcac 360
 ttgagaaaatt ccgatcttat ttggtggngt caaagatagt aatttacact aatcatgcaa 420
 caattaaaca t 431

<210> 1457
 <211> 441
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1457

agctaggcat tntaagtgag tctaattctca cttgagccaa tatggtagcc tacattcatt 60

tcatgtacat attcattatc atttttatgt ttgttttgtg catttgtgtt tgtttgtttg 120

ttatatgtac atttagaaaa catgaaaacc ttttttagcat gttatttcta taaaaaaaaat 180

ttgcactatc attcatgata attgattacg agactttgta atcaattaat tcgacctgag 240

gttactatct tagtgtcttt aggttagcca gtaattaatt acattgtatg gtaatcgatt 300

accacctgca ccctttctag gtagagctat aacaattata ataattggta atcgattacg 360

cagggtttga aacatttttt tttaaatgaa aagacactcg ctttgcttta tatacagcat 420

acctagacct aaattcttac t 441

<210> 1458

<211> 468

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1458

tcatcttcaa tccanaaaga aagtgataaa gaagacttaa ttgatttgaa tgaagatgat 60

gatcttagcc tttntgtana aaggttcaac aagttcctga aaatcagagg aaatcaaagg 120

agaccaaatt ttaaacctaa aagaaggaca aaagattcat cctctactcc aaaatgcttt 180

gaatgcaatc aacctgaaca tctgagggtt gattgcccac tcttcaagaa aagaatggag 240

aaatctgaaa agaaaaatth tagtgaaaag aagatgaaga aggcctacat cacatgggat 300

gacaatgata tggaatcata tgaggattta gaanattaag agataaactt gtgtctaatt 360

gctaaaagtt atgaaagcaa tgaaggagta acatcttcaa ataacaactt atccatttct 420

tttgatgaat tacaagaatg cattgctgat ttgcatagag aatcaatc 468

<210> 1459

<211> 501

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1459

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 cggacgcttn catacagcca gngaagttga actggtgcta cagcccgcaa taaacttggg 120
 ccgagacaga aacacgacgg gtttcaatcg gaggtatagt cctcaagcct acccttatgg 180
 tttgectcca gacttctctt cccgtaccgc tccagggcat atgagccaag cccctacctt 240
 cgaagggtag acttctcttc acgctcacta ttctntgtag aagatgatta tggagatgcc 300
 catttacgac cttacttctc cttatggaac cagtcccgca tgaattgtcc tatcatccta 360
 ctgctgcctt actatttata cgtacattta agaattgtcc ccttggcatt aaatgttcca 420
 tagtttactt atcaatccca tgggtttctc ggcatttgc ttccttttaa acacacatta 480
 tattatacaa accccttgcc c 501

<210> 1460
 <211> 465
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1460

tagaaaggtc tactcanatg gatgtatggt aagttgataa gtaaaaaaaaa atgcaaaaag 60
 tagaanatgc aggatcatca cgtgcccatt gattcttggg ttctaataatc aaataattaa 120
 taacaagaag aaattcaatt aaataatttt ttgaaatcac caaatttaat ttcctaattt 180
 gataaatcaa aggcattaat tatataacta aaccttacca tgaaaaaattg gcatcattat 240
 gtatccttct actcctattt taaattttat tatattgaac ttatattttt ttagtcaaca 300
 ttgccaagat gtggatcagg tttggccttc caaagacaat atcaatgatt tataataatt 360
 tatcaaatca tttgatattt tgatttataa taatttaaga caatatcaat gatttatatt 420
 aatttataca ctctgatgaa ctanatccct tgacaaatag ttaat 465

<210> 1461
 <211> 312
 <212> DNA
 <213> Glycine max
 <400> 1461

gcgagctagg cgaacttgat atttgcagat cgctgatcca tcttcttctg taagagcgca 60

taatgcactg ggcgcatcat gattggctga gcgcatagaa caatctggaa aaagatgacc 120
 tgtacatgtg cgtagagcga gagtcaaact tgcttaacgc accgcttgca cctccaggct 180
 gagcggcaaa aaggggcgct acacctcatg tcaacttaatt tggctaggcg aaccataatg 240
 tggctgatcg aacgaccaat tatcagcatc actatctaga gactgaagtc agatatggaa 300
 gagaggacca at 312

<210> 1462
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 1462

agcttgtagg attatggcgt acttatcaca tgtgggtacta cgtggcggtc gggcgatggc 60
 gcacaacatg ctatccacat ccacaatgcg cgcataaacc caccatcccc tgttgccac 120
 ctccaactga gctcacgtac tcccacgtag cccatatact cgtttctctc aacaccgggt 180
 tcccatcaat gctctcaagc ttccacacca tccaagcaaa acaacattca cacaggacaa 240
 gctattacag ccaatcaaaa cagagcatag gcagaaaact ctgccaaaac accaaccaaa 300
 tcacagctct ttctactta agaccccacg aacaatttct tccttctctg tcattaaccg 360
 gtggattgac tcgaaaatta tactggaaga ctatagtga tatgcctaca 410

<210> 1463
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1463

agctnttgaa atcaaaactnt atcactggta atcgattaca ggaaactgat aatcaattac 60
 cagagagtaa atactctggt aacttagaaa attttgagaa aactcttttt gtaaaacaaa 120
 actatgctat gtttggtttt tgaaaaatcc ttttcaatac ttcccttggtg aattcatctt 180
 ctcttgaatc ttgattcttc ttgatgtctt ttcttgaatc ttgaaatcaa cttctcttga 240
 atcttgaatc ttcttgatctt cttgaacttg ttgactcaat cttgacatca ttctttnngg 300
 ctttttgtca tcatcaaaac tacttgaatc atacttgatt cattatcatg aagctggctt 360
 ctacaatctc cccttntttg atgaggacaa ccctgaaatc aagaaacaca tacacattcn 420

tttttctagt cgatcactca ctta

444

<210> 1464
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1464

gggttcgagg tacttaccg ttgaagatcg aagaacgaat gaagaacgtc gaagaacggt 60
cgaaaacctt cgcgaaattc ctcacggaaa acgttacgga aacgtttcgg aagcgcctcg 120
gcttagattt tttcacgga aacaattttt ccaagcaaat tcgaaagaga gagaagtgcc 180
taaggagctg aaccctttt ttcttcaatt cctccctat ttatagcaaa ataggggagg 240
tgcttgctgc ccagctcgcc caggcgagcc aggttgcttc ctccagaagc aacaaccttc 300
tgagggaagc ttctggaagg cccaagtggg cctgattgct atttacacc cccttattac 360
tanatgcacc cgcctttcta ttatttgtaa ttctntntcc gtaacgttac gaaactntac 420
gaaattcgta acgatactta ttttcctttt cgcagggtta 459

<210> 1465
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1465

agcttggtgcc ttttcacgtc tggaatatga atgtagcata tagatccaaa gacccttagg 60
tgctttgctg atggcttctt cccgttccaa gcttcaattg gagtcttgct ttttacagac 120
ttagttggac atctgttgag tatgtaaaca gcagtgtaga ctgcttcaac ctagaatgtg 180
ttaggtagtc ctttctcctt gagcatcgat ctagccattt ccataactgt gcgattcttt 240
ctctcgga caaccattttg ttgaggagaa tatgcgattg taagttttcg ctcaatgctt 300
tcatectcac aaaatctttc aaactcgga gatgtgtact ttntgttgcg atcacttctt 360
agtactttta tccgttttcc acttttgatt tcagcaa 397

<210> 1466
<211> 464

<212> DNA
<213> Glycine max

<400> 1466

atgttctgca ggaaacttgt gtccctttta agtttatgac ttctgggtcta gattttatttt 60
aaaaaattgc aatagttgta gtatggtaat atatgcttct caccgaaccc tctctggaat 120
ttgagactac tctctctgta gtctttaagc tatagttctt ttgcctcttc aatttttggt 180
ataccctttt tagctgtttt ttgatgcatt attttagctt gattattaga ttgactgct 240
tgtggacaat aatttctagt ccatattctt tataaaaatt gagaatgact ctgatatgct 300
ttagcttttt aaacaaacct ttggccggca ccaaatactg ttactttata tacttataac 360
tcaattgcag gtatagattg gcatattcat caaactatag ccatatcttg gatccggtta 420
ttgagaacaa ttaccaatta ttcattgatc agaggcttat aatg 464

<210> 1467
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1467

agctttntag gatagcaatg ttatcaatgg cagatagcgg aacatggcag aaggccgaaa 60
ttccaccata taaacatacc attgcacctt atgtcaccac catggcagac ctcccttcac 120
aaattgtcta tggcagttgg gaaaaaatcc gccatgccat tccaccatgc cagtcccatg 180
gcctctattt aatagcactg tagggtagtc taacaacatt ttccaagttt aatgacattc 240
tagcttaaga agcatagaag attgaaaaac ttgtctttnt gttaaaactaa caaaaactag 300
tcatgtgaga cacattcaaa gcctgttaaa cgccccagca nnatatattg agcagaacca 360
ttatattgca tgggtcccata ct 382

<210> 1468
<211> 410
<212> DNA
<213> Glycine max,

<223> unsure at all n locations
<400> 1468

ntcttgagaa aacttccttg agaaacttct ttgagataac ttccttgaga agctagagct 60

tagctacaca caccctctc ataactaagc tcacctcctt gataagcttc cttagaaga 120
 ttcctaaaga agctagagct tagctacaca tacctctcta atagctaagc tcacctcctt 180
 gagatgagaa gctagagctt agctacacac ccctataat agctaagctc accctcatga 240
 cgaaatacat gaaaatacaa aataagtccc tactacaaag actactcaaa atggctcgaa 300
 atacaaggct aaaaccctat actactagaa tgaccaaagt acaaggcta agcgaaggag 360
 aaacttattn taatatttac aaagataagc gggctcatat ttagcccatg 410

<210> 1469
 <211> 312
 <212> DNA
 <213> Glycine max

<400> 1469

agcatacaaa actaattttt gggcctctat atgtctgagg gcccaattac aaaaatacag 60
 catacaaaaa tgacatacta taaaactgga cgacaaataa aattgtcttc tctcttcaag 120
 tccaagccgg ttcagcccaa ttccagatcc aagctcaatc gcttataatt ctctgaaat 180
 taaattaaaa cacagaatta gtcaagtagg ctcaaatgat aaaactgcat aattaatttg 240
 acaattaacg ctaatcacta attaaaatgg tgacagaaag gggtagaaa tatgagaaaa 300
 taatgacaca tc 312

<210> 1470
 <211> 315
 <212> DNA
 <213> Glycine max

<400> 1470

tcattccttg tttcactcat gtgtccaagt ctttgatggc atatggttga attgttgaca 60
 gccttagtaa ctgctaccat atactcatct gcaatcatgt aaagagatcc tcgcttcttt 120
 ccacgagcca caatgagatt gccttttgtt accttccaag ctctatatcc aaaagtgggtg 180
 taatgccctt cattatccaa ctaccctata gatgttagat ttccctttta ggcaagaata 240
 tgtcaaacat tgtacagtgt ccatagggat ccactagagg tcgtgatgtc aatatcacct 300
 cttccgacaa tgtca 315

<210> 1471
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1471

agcttgtagg attatgggtgt acccatcaca tgttggtacta ggtggcggtc gggcgatggt 60
 gcacaacaag ctttcctcat ccacaatgcg cgcataaacc caccatcccc tgttgcccac 120
 ctccaactga gctcacgtac tcccacgtag cccatatacct cgtttctctc aacaccgggt 180
 ccccatcaat cctctcaagc ttccacaaca tccaagaaaa acaacattca aacagcacia 240
 gctatcacag ccaagcaaaa cagagcanag gcagaaaact ctgctcaaca catcaaccaa 300
 aatcacagct tttctcactt atagaccaca gtaacaattc ctttgatcaa ttcgtaaccg 360
 tggatcgact caaatttact gaagctatag tgataaccta 400

<210> 1472
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1472

tgagatgagg aagtgttgaa gggtgaaact tcctgtcttt attgttgacc acagagtggg 60
 acctggagat atgtcgcggn ggtcaggaga ccttggggac gtcaagtggg gtgctattgc 120
 ccaaaaccaa gcttgaccaa tcccgaacca acccgggcat agtcgggtcag tgagaacctg 180
 tgatgtacct aagcaggcga gctcctggca gtcaacagat aaaaggaaaa caagaccaca 240
 aagcaaggag gcttgtgggtg gctggccagc tgtgaatatt gtgtaatatg tggatgggtg 300
 cctctggtaa tcgattacca aggggtgggtg atcgattaca aggcttaaaa ttgaggacag 360
 gaggctaaga tggctctctg taatcgatta c 391

<210> 1473
 <211> 85
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1473

gtaaatctaa acatatatga ttntttatat cgattataca aataattgat ataaatatga 60
tattttttat attaatagata catat 85

<210> 1474
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1474

ntaatgctag tccttgaagc atatgaggtt gccatatcaa atattcacct atcaagcatg 60
attctaaatg ctttaattgta tttttaccct aactttttat gccaaaaatt aaaaaaaaaat 120
gaaaatgaaa aaatacaatt aagccctaaa atttagaaaa tatctcttga aacatttaat 180
tgctggaatc tcttcatctt gatgattatt agttattata cttggagcat ctttttttag 240
gctacttgaa gcattcttaa ccaatttaaa tatagtcac ccattaaatt aagatgatca 300
tcacagatt tttttgatcg aaattaatca ttttagtaaag ttaaagacac tatgcactgt 360
tatgagtaaa aaaacaaatt atagtactaa tatctaaagg aaaagctaata aacactacat 420
aataaaaaat aaccaatata agtcaattta aataaaaaaa tt 462

<210> 1475
<211> 162
<212> DNA
<213> Glycine max
<400> 1475

agcttactca gaggggtacg gtggcccagc actctcgccg attatgagga attggcgaac 60
cgcattgtcg gactcccccc acccttctcg ctgagctgct tcgtgtcggg gttgtcgacg 120
gacattggcc gcgaggtcca ggcccaccaa cactgacac tc 162

<210> 1476
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1476

ggactcatgt tatctacaat cacttggttac gttgattctt aagaaagtcc tctaagacaa 60

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5893

ccttggatct tcttcatcaa tggactcctt tngcttttga agatcaatgg cagcaaattg 60
gagaaggagg aaaggtgatt ggagatgcc a t t t c a a g g a g a a g a t g a g t c g a g a a c a a g t 120
ttatcaccat atgaagccat agataagagc ttgaagattg gagaagggtga gtggacggag 180
atggagagaa ggggcaaaac atttatgcc a a t g a g g t c t g a a c t t t g a a g t g t a a t t t c 240
tcaa at g a t c a a g t t g a a a a a t a c a c a c a t a a g g c c t c t a t t t a t a a c c t a a g t a t c a 300
c a c a a a a t t g g a g g g c a a t t t g a c t t t t c t a t t c a a a t n t c a c t t g a a t t t g t g g a a c c c a 360
a a t t g g a g c c a a a a t t t c a c t a a t t a t g a t t a g t 394

<210> 5894
<211> 331
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5894

agcttcaaga aaaagatggc ctcagcaa at t c c t t a t t t c c a g a a g g g a a t t c t a t c a a t 60
agacctcaa tctttaatgg agagggttac cactactgga aaacccgaat gcaaattttt 120
attgaggcaa tagatctaaa tatctgggaa gccatagaaa tagggcctta tatacccacc 180
acagtagaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac tatagaaaaa 240
cctanagata gatggtctga agaggataga aaacgagtag aatacaactt ataagccaaa 300
aacataataa catctgcctt gggaatggat g 331

<210> 5895
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5895

tctttggacc ttgaacaagc aattaactcc tctntcagaa ccatgctatg tgctcgcgac 60
tggtctcttt cttcccttcg caacttgagt tcactattgc taccatag agctccgcga 120

aatttgttcc ggccatactc ttccttgcca gccctcttgg tctcttggtc aaaggctctt 180
 gcggttaattg cattctcttc ccgtaacccg gcacactcct tccgaacgtg tgtagcggcc 240
 aacttgaact tctccttggc aagttttgcc tttcctaact cgcttttgag agcttggact 300
 tcttcgtcct cttccggtgc ttcaaaactc tcttcgctga cgacttttaa cttggcgagc 360
 caatctaaac ctcttatatg gactttc 387

<210> 5896
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 5896

gctttctcgg ggccattttc tgcgaaggca aacatttgga aagttagttt taccaagaaa 60
 tgctactctt aaaacaaaaa tggcatatac cctcctccaa taaacacaaa catcaatgta 120
 aatttagagc aaactcatgc acatacttcc ttatgaacat tcaactgcac aagatattct 180
 tctacccaaa aaaatgcacc catgcgcaat caaggaacct tcgttaccta gattatttat 240
 atgtacttcc aaggtgtatt tgctacctac atcacatgca tttccttggc taaatttaca 300
 tacatgcata ctcaaagcat cttggctacc aaaaattgca cacgtgcaca ttctagtatt 360
 tctaatacct atgcatatac aaactttgtg atgaatcttg gctatctaca caataaagtg 420
 ctacatttca t 431

<210> 5897
 <211> 321
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5897

tcttagtctc agatgatgca gctgagnttg tagctacctc atgcactcct ctaatgacta 60
 tggcatcatt tctggcgcta aactgctgag agttggaagc catcttctca attaaatttc 120
 tggcttcagc aggagtcatg tttccaaggg ctccaccact ggcagcatct atcatacttc 180
 tctccatatt actgagttct tcataaaaaat attggagaag aagctgctcc gaaatctgat 240
 ggtgagggca actggcacac agtttttttaa atcgctccca gtactcatac angctctctc 300
 cactgagttg tctaatacct g 321

<210> 5898
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5898

agcttcgaat gggcattggt tcctcctagt ctccattgat tactttacta aatggggtga 60
 aactgcttca tatgctaata taactaggaa tgtgggtggt agattcataa aaaatgagat 120
 aatttgcata tatgggttgc ccagcaaaat catcgctaac aatgccatca acctaaataa 180
 cacgatgatg aaggagtgtg gtgaggatgt taagattcaa caccataatt cgacacctta 240
 ccaacccaag attatcaatg tagttgaggg caccaataag aatatcaaga agatcattca 300
 aaagatgata gtgatgtaca aggactatca taagatgttg tcgtttctcat tgcattgnta 360
 tcaaacttct gtgtgcactt ttactggggc aaaccaatt tcgttggtgt atgggatgga 420
 agctctccac cctttc 436

<210> 5899
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5899

gatgtcagct ctacttactg cattnntatt ttctgttatt acctgatgca tcttgtttct 60
 acttacacta agaattgttt tactttgtat ttgaaattg catatagtta tgagtgagga 120
 ctatgtgtgc cccacactct gtttcttaca ttctagaatt gttagctttg catcattgtg 180
 ttggctatcg attttatcgt gcaaagagtc gaggccaatc atgagattca gaaggaaacc 240
 atatagaaat gtaagattta ttttacattt gtatcaatat gcagttatct gtgcaaattn 300
 tgggtgcatt gaaatgaggt tgtgattgcc aattgtatca accacaatta acccatgtca 360
 aatggcaatg gttgtaacac aactgccacc acaatctata accttggcta tataagagac 420
 ttgtaaata catgaaagta tttagtagtg tggagta 457

<210> 5900
 <211> 378

<212> DNA
<213> Glycine max

<400> 5900

cgcttggaac ggacacgagt atatacgaat tatagacagc tttatgtgct ttctgacctt 60
tgccaatatg acctaccgag gaatattcca ccgaggcctt atagtctata tctatatttg 120
taccttttct ctgaactcac aatgtgttct tattcactac tccattacca gacataagga 180
attggaacaa aacagcacat gtgcacttta cttttctgcg atacgccaaag ccttgacaga 240
ctatacacat gaagttatcg tatgacagag agtgatattg atatgaacaa gactacatgc 300
ttactaacta gagacacctg aacgctcata ttttatagag cattctctat ctagttgcgg 360
gcgatattac tttaacat 378

<210> 5901
<211> 294
<212> DNA
<213> Glycine max

<400> 5901

gtgcaccaca gagacataac aggctctgta ttagcactaa aaggatcaat tcaaaatgct 60
tacataactt caaaagtata tcatattgct agcccatagt aggcacatcg atattccact 120
tggaatcatat gtatctagga ctcttcttga tcaactcttg tttgaacaac gatgtgctga 180
tcaataattc aaacatcttt tttgctttcg tagatcttac cttgatgtta tgccccttag 240
ccaaatcgag ttctctctat accaagccct taatttctgc ctagcatgct atga 294

<210> 5902
<211> 214
<212> DNA
<213> Glycine max

<400> 5902

catgcaagct cgtacctctg ggcaatatct ttaaaactag tcacttattt agtgatgact 60
ttagaaagaa tgttcacaca caagttgctt gaataatcgt gacttttggt aaagtatctt 120
tcgaaatcac tcaactggtaa tcgattacca ttaaagtgtt atcgattact cattaacaga 180
tgtgactctt cactttgaat cttgaaaacc ttaa 214

<210> 5903
 <211> 443
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 5903

tccttccaaa gaaataggan aaggttgctc cactaaaatt ttatgtttgg gaagggagag 60
 atggatggaa aaaaggggttc aagcaaactc tacagtactt ttgctacagg aagttagaag 120
 gtgagatttg gaagagctta tttgaactag tcaaaatggc ttatgacatt cgtataagat 180
 atttttattc aataaggttc acaactaagc ttatggataa gctntcatgt tatcagttta 240
 ttgaataagt gcttaattaa gatgttttgt cagttgagcc cttaaagact aattacaggt 300
 cattcacgtg gagctcacia actggagggc tgagttgaat tgagacagat gaaataacag 360
 gaaaaatata tttgttcaat acttaaggaa acaagtttac anaggcttat cagctaaaat 420
 atatgttcaa gagttaagat gga 443

<210> 5904
 <211> 442
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 5904

agcttattcg aagcccccttg aattgattgt ctgttcatgc atcctcaacc attgagttcg 60
 gagccccatg aattgattgc ctagecgtgt tcgtgcatcc tccatcatca aatcttattc 120
 ggaacctgat gagttgattg ccattcatgc atcctccacc attgagtccg gagccttacg 180
 aattgactgc caagctctgt ttataaatca tctatcatca aatcttattc gaagccccat 240
 gaattgattg ccattcatgc atcctccacc attgagtccg gagcgccccg aattgactgc 300
 ctagecgtgt tcgtgcatcc tccagcatct tattcgagc cccaggaatt gattgtcggt 360
 tatgcatcct acaccattga gtccagagcc nncacaattg attgcctagc tatattcggt 420
 catcccat catcaaatt ta 442

<210> 5905
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5905

ntgcagaatt ggtcttcgcc agtgaaagga tcaatgtggg ttcgaaaaga ggcttatttg 60
 atcatcctac tangacgact gagaaaactg gggcaaataa agaggggtgag gatgagggag 120
 aaacccatgc tgtgactgcc attcctgtac ggccaagttt cccaccaacc caacaatattc 180
 ttactcagc caataacaaa ctttctcctt acccaccacc cagttatcca caaaggatcat 240
 ccctaaatct accacaaagt ctgtctacca caattccaat gacgaacacc accttttagca 300
 caaaccataa acaccaacca agaagtgaat tttgcagcga gaaagcctgt agaattcacc 360
 ccaattccag tgtcctatgc tgacttgctc ccatactctac ttgataattc aatggtagcc 420
 ataaccctag ccaaggttca tcaaccttca tttcttcgag aata 464

<210> 5906
 <211> 445
 <212> DNA
 <213> Glycine max

<400> 5906
 agcttgcaca caagattctc cttggctggc acttcaaaac cttctggttg ggtcttatag 60
 atgtcttcct ctaaattccc atgcaagaat gcagttttaa catctagctg ctccaagtaa 120
 agattctctg cagcaacaat actcaaaata actctgatgg tagtcatctt tacaactgga 180
 aaggagtctc tgtgatatca attccctgtt tctactgaaa ccctttcacc acaagtctcg 240
 ccttgatctt tcttctaccg tcagattctt cctttagcct acagaccacac ctattttgta 300
 acgctttctt tccttctggc aatttagtta aagaccacgt cttattcttc tgaagggatg 360
 tcatcttatc tttcatcgct agcttcact caatagtgtc attcccctgc atagcctcac 420
 tgaaacattc tgggtcacca acatc 445

<210> 5907
 <211> 466
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5907

gcatggaaga gttagtcttn ctacttttat ttgntgacca tatagttgta cctggagata 60

tgtcgcgggg gtcaggggac cttgnggacg tcaggtgggg tgctattgcc caaaaccaag 120
 cttgaccaat cctgacccaa cccgggcata gtcagttagt gagaacctat gacgtaccta 180
 agcaggcgag ctcttggcag tccaccaata aaagaacaaa gtccacgaag caaggaggct 240
 tgtgtggcgg ctgaccagct atgtatcttg ggtgggtttct gaaaattacc ctctggtaat 300
 cgattaccat tcgtgggtaa tcgattacaa ggttttaaaaa tggagacagg atgttaagta 360
 gcttctggta atcgattacc aattgtgtgt aatcgaatac acagtatgat agagcactgg 420
 taatcgatac cagttgtgtg tatcganaca cagtgtacct gtacta 466

<210> 5908
 <211> 354
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5908

agcttgtccg cataggttct tcgatctatc caggcctgtt tatatgcact ttttaggcat 60
 aatcttataa ttaattatct aatttctctc tttaggattt gttacgtata actcccaaact 120
 tttgaattca gcttattccg cttttttttt ttataacgcg gatttttaaac atctagttat 180
 atctgacata aataagagat ttttacactg tttatgtaat aatataatth gtactacaca 240
 gagtctatat atcaatggaa cacattttaa ggctcatatt ttgggttagta tgttactttt 300
 ttggtagaaa aacgaaaatc acctganatc aacactaatt atactgatat tttta 354

<210> 5909
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5909

tatacacttt atatgtaagc cctcattgta ttcaacatat tattgatatg gaaatgatat 60
 gatttttgcta ctgtaaaaaa aaataagcac taatattaat tttgactaca tcttcaaaaa 120
 ccaaattatg gttgttttta taaatgaaga aactaagact aattttaatc aattcttcga 180
 gaacaaaaaa ttcattttac catcataata ataattactt atacacttgt cgtttttttt 240
 cttttcatgt tgggcccata aacatatttt ttatatatta atcacatgca tcattcatta 300

tataagtaat tttactctaa ttaaaaataa ataaattctc tgtagatatt taacataatt 360
 gtatacatcc aagactcaaa ttcaagatga ttgggtntac tcacataata ataataataa 420
 gaagaatagt gataataata atattgata 449

<210> 5910
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5910

agctgtgacc attngactta tatgctccat cttgaggggg aatggttgaa ttacacacat 60
 tgtatgggta cttgttccac acattgcatg ggtacttggt ccaataaaga atagtttttt 120
 tttatcagta aaactaaata tattatatat ataaatgatc aaaagtagca gaggtactag 180
 tacataggga tatacatcct catatctaga caccaaaact gaggtattct agatattagg 240
 agaacatgtg ttttgttcta attgtaacac ccattacata agaaaacctt ggctaattatt 300
 gcttgaccat tggtttagat ggggtgagaa atgtttctca naatgtctaa gccaaagtcca 360
 ggtcaagaaa acagcttcat caaacaatct gttagcatca aat 403

<210> 5911
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5911

tccagatata gcatacatag ttaggggtatt atgcagatat ttaagcaatc caagaatgga 60
 tcattggaaa gaaacaaaa gagttatgag gtatttgaag agaacaaagt attatatgct 120
 cacatacaaa aggtcaggtc agttggagat cactgggtat tctgacttag attntgcaga 180
 atacctagat agtttgagat ccacttcagg ttacattttc atgttagtcg gtgggtgcgg 240
 ttcttggcgc agtgccaggc aaacccttac tacttcatcc actatggcga caaaatatgt 300
 ggcattgctat gaggcacaa atcatggaat atgattgaga aattttgtca caggttntca 360
 aattgtggaa tgaattgaaa gaccacttaa gttatattgc gacaat 406

<210> 5912
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5912

agcttaactn tggagcttac tgaaacaagt taaaacgagt ttatttgtat aaggttcttc 60
 atgaatatta ttttaataag ctaaagaaaa cttccaataa ctaagaaggt cactagtcac 120
 ttacataaat ccatataagc tcttcatgaa tattatttta ataagctaaa gaaaacttac 180
 aataactaag aaggtcacta gtcatttcca taaatccata taagctcgta caaatgctcc 240
 cttgaagata aatttgagga acttgccctgt ttcttctttt gtgtgattat agtctttatc 300
 tttgaacttt tgtctgaact atatagggtta tctgcaactc atatatgata tggaacccta 360
 tttcagaaaa ggatgagaga ctctgcacct accgggcacg aacttga 407

<210> 5913
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5913

tatacattca atggcatgga tagccatgct aaggagctta tagagcttct tccaatagtg 60
 aataggtctt cattgaaaag ggataagcct aacttctgat aaaaaaatct actaatatgt 120
 ttgcttccaa ttttttggtt gtcaataata tgtttatttg tgcattgcttg tagttaccta 180
 ctactttgga gcagggttgtt tctaaaaaag ttcattctttt agaagggaat aaatattagc 240
 aacacattat ttttaatatata tatatatata tatatatata tatatatata tagagagaga 300
 gagagagaga gagagaagag atcanattga attgatgtaa ctttgataac ttgtacacca 360
 ttctataact tcaatngaatt aatgttntct taaaactcat ttgtggatag aaagttcctt 420
 tcacatagat aacata 436

<210> 5914
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 5914

agcttttnggg ctgganaact atataacaac accaagggttc tagtttaggc ccctctctct 60
ctctctctct cttctctcct ctctctcctc tttcgnttgg agtttgaggc ttctcttctt 120
cttttagaca ctttttcggt ttgcaattcc agttgttact tttcatttta gcaataaaat 180
ttcgttctct attgattaat ggaaggctaa gtctccagcg ttgttttctc ttgaggatca 240
agcacagttc tctttgagtt tctattatta ctattaaatt ttgttcactt tttcctcttc 300
actaattact ctaaaattgc tgctattaat tcatgcatgc ttagtgcttg attaattgtc 360
tctgcgctta atttacattc atgcttaatg atcgnatcatg attaattg 408

<210> 5915

<211> 399

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 5915

tagataccac cagcatcaag gaattagggc ggttgatgga acctctccaa atgcaagctt 60
tccgcaagac ttacggaaag atcttagaat tgaccttagc agaggatatcc atagaagcca 120
ttgcatcact caccacaatac tacgaccagc ctttgagatg cttcacattc agagacttcc 180
aattagtacc aaccattgaa gaatttgagg aaattctagg atgtcctctc gggggaagaa 240
aaccatatct ttcatecggg tgtctccct ctntgagcag aattgcaact gtgggtcaagg 300
attcagcaag aggtttggac agcataaaac agactcggaa cgacatggcg ggcataccac 360
ggaggtacct agaagacaag gcgagaggta tggccgatc 399

<210> 5916

<211> 383

<212> DNA

<213> Glycine max

<400> 5916

agcttggttg tgagagcaat gtcaagaatg tcaccaactt cagccctaatt agttgggcct 60
ggaaactgac cgttgattcc catcagaacg tgttccaagc aatctgggtt tctgatcatg 120
tactccacat caaacttgta ggggtctcact attcctccga ttgacaattc taccaaacc 180
aaccatatta tgcacccaac aaaaagagct ttcaagctca ttcttaatta attttgatca 240

gagaaagcct aattagcaat ataacaggaa ggtatcaagt agtaaaacga agctattgat 300
 gaacaaattg aaagaatatg tatagaggat cgaggatttg gattgggtgg accattgcct 360
 tatatatata agagagagag aga 383

<210> 5917
 <211> 416
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5917

ctttcttctt ggttatgatt gttggattct tgttatggca gctattggaa ttatggcagg 60
 taggttatct tggatgtgtt tgacattctc atcttatgtt ccttttgtaa ccatatcgct 120
 tgaatgtctc tcatcattag cctgcagatg atatagagga ggtaccagat ttcactcttc 180
 catgcagctg tgatgaagag atgttggaga aaaattcagt gaaatgagta atgtgataaa 240
 ttattntggg gaaccaaagg agtttttgtt ttgcagaata tcaaaagaat acaagtgcctg 300
 ttaacactaa cccaagttcc cagatcttga aatggagata atcatcaatc tgttgcataa 360
 atatgtgcta atntagtgtg aatatntgtg tcaacattac tttgttgagt ttttta 416

<210> 5918
 <211> 293
 <212> DNA
 <213> Glycine max
 <400> 5918

agcttgtaat gaatatgaac atattcttat gatcacttat ttctgggcag atttcactca 60
 ttgtcgaatc caactccttg cggcttgtat ttccaaccct gattactgcc ttgtgcaagg 120
 cccgaggagt cacctcagat tctcttacct tcgagtcact cagcctagcc attaatttgg 180
 cctatattaa gaagaattgt tggaacctgt atgacccttc tgtcactttt ccaaggaccc 240
 aaaaatccag agctagaaaa tctgaagacc catctctctc tgtcccccta ctt 293

<210> 5919
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 5919

tggacttctt catcctgttt cggagctttg aagttctctt cattgataat atttaacttg 60
gagagccaat ctaaacctcg aggacgaact ttccggccatt catgataacc accaatgatg 120
ccattacgaa tgcccctaag atctttatct attctccgtt ggatggccca agagagggga 180
ttaagatgga acccacgcat gatgcatatg cgaaaggtag aatacagga tgtacatagt 240
acgacaatat tcacacacaa atataagcaa aagggtacat gacactttta tgcattggcac 300
gggaaaaatg gcatgcatcg tgtatgctcc gtgcccctta tttaagggaac ctatatggga 360
gagagc 366

<210> 5920

<211> 374

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 5920

agcttaataa aagaacgcan agcataaact gaatcaacac gcacaggaag ttcagaatcc 60
tgcattctgg atacaacaca ctgcaaagcc ctccggaagt tgttctgggc tgagaagtta 120
atatgggcat attgtcctgc aacctatgct gcctgttttt cacaggaaaa ttaaagtgtta 180
gtctaaataa taattccatc gcatgggttat attgtatttt agaaggagac tggaataata 240
ataaaaaaat tgcagcatgc agatctttga tctctctggg tttctccctc tctatcctcc 300
ctgttatgtt ctccctctt tttactttct gtctatcagt tctctctctt cccacctana 360
tcctatatca catg 374

<210> 5921

<211> 449

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 5921

tgcagatgct ctanggagaa ttgctgataa attgtagagc atggaggatc cgaatagaat 60
agtgtacata acaatttgga gtcaacaata gtgattccca taatttatct caggatagtt 120
cttagaagat gaacatcata ctagttaccc tttttttttt aatcttctgt ctgcattttg 180

ccactttttt gtggtttact actgcactaa ggcattttat acacaaattt ggaggttact 240
gcattttatt tattttcttc tttcagtgag gttatatgaa tttttcctcg gtcaataata 300
gcggttgtag agataaagtt actattacta attaaggtac atttttatta gaggtatctc 360
tttgcggggt catgcaatna tttgcttctc ttgtataagt catctctcca cacatatata 420
atattttttg ttgagttaac cttactatt 449

<210> 5922
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5922

agcttgcttc ttttggtgca tagaatgcat gcaaaaaaaaa aatagtaagt gtcatgaatc 60
tctgacataa gcttcaacca attaacattg tttgtatgac aactgttgta gttggacagc 120
aatcacacag tttgtccacc atggtagtct ttatgttctt attgggtata gtttttagtat 180
gctttatgtt cctattgggt atagctttgg tgctggaatg ttcaatttgg agtccacaaa 240
aggaggaact ccatatgggt ttggagttnt tgctggagat ggtacaagac aagcaagtga 300
aatggagctg gagcttgac agtatcatgg caagtatata tgaaa 345

<210> 5923
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5923

cagctttagt ggggctgana gatatgtaaa atgctaaaac taaactttnt agttggatct 60
atacaattca cccaacgggt gtaaagagtc cagggggctg aaagacgatg attatataat 120
gcagaatttt gagaatattg ttgtatgatt gtgctaatec taattgtatt gagaatattg 180
ctacatgatt ttgctgatct taattgatcc tatttgtgtt aattctgatt gtatgtatta 240
attcttattg tattttaatt ctattttgta tcttgatctc ttgattattg ggatcactta 300
tttttaggat agatagttgt atcatatatg tcaggaaaag ctataggaga aatcttagtt 360
aggtgggtgg atgaccttgt atatatatct atcgattgtt tctaatacag gcagaacaac 420

acattctatt tattgtattc

440

<210> 5924
<211> 351
<212> DNA
<213> Glycine max

<400> 5924

agcttggaga ggatgcttca atggaggaat ttatagaggg atagaaagag agagggggag 60
catgaaattg aatgaagaaa aaggagagaga agttgaactt tgagttgtgt ctcacaagac 120
tctcattcat caaagttaca acaagtgttg cacatgcttc tatttataga ctaggtagct 180
tccttgagaa gctttcttaa gaaaacttcc ttgagaagct tctttgagaa aacttccttg 240
agaagctaga gcttatgtac acacaccct ctcataacta agttcacctc cttgagaagt 300
ttccctaaga agattcttat agaagttaga gcctaactac tcatacctct c 351

<210> 5925
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5925

tgtaagatta tggggtaccc atcacatgtg gtactaagtg tgagtcaggc gattgtgcac 60
aacaagtntt ccacatacac aatgcgcgca taaaccacc atccccgtt gccacctac 120
aacttagctc acgtactccc acgtagccca tctctcggt actctcaaca gcgggtcccc 180
atcaatactg ccaagctttc acagcatcca agcagaacag cattcaaaca gcacaagcta 240
tcgcagccaa gcgaaacaga gcatacgag aaaactctgc tcaacagatc aaccataatc 300
acagtttttc tcaactaaag accacagtag caattgcttc gatccaattc gttaaccgct 360
ggatcgacga caaaattata ctggaagtct atagtgcata aggctacatt gtgaccgttg 420
tgatctatta gcaacctcca aaactcatg 449

<210> 5926
<211> 389
<212> DNA
<213> Glycine max

<400> 5926

agcttagaaa tagaaagtac ttttcagttt tccaatgagt tgaaaagaca tttttgccga 60
gttgttacgc aattctattc attttttgtg tgtttaaagc acttaacact tgatgacatg 120
gtatagcaga cttggtcact tggattaatg cgtaatgag tacaattttt gggaaattta 180
gcatacgctt attgttgagt gtagtatgat gcaatctgga tttcttagta acacttggtt 240
actcaggcct ttgtatgaca atgaaagata agaaccttag tagttaatgg ctggctcttg 300
gcgttctgat ttgcaattta tgcccgatca gtgatccttc acatcacaaa atgtggcttc 360
tatttctca tattaccctt gttcatact 389

<210> 5927
<211> 424
<212> DNA
<213> Glycine max

<400> 5927
gctcgaagac aagactatac gaggtatctt ccttgggtat aacaatatct ctaagggcta 60
ccgtgtctac aacttgcaaa ctaagaaact cgtcatcagt cgagatgttg aagttgatga 120
gtatgcttct tggaaattggg atgaagaaaa agtgaagaag aacgttctta taccgctca 180
actacctcaa gaagaagctg aggaagaaga cccaggtgaa ccaccttcac ctgcaccata 240
acaacaagat caaaaactat catcaccaga gtctactcca agactagtaa gatctttggt 300
ggacatatat gagatcagta acttggccat acttgaactt ggaagctttg aagaagcgtc 360
gaagcatgaa gtatgggtca cggcaatgga agaagagata cagatgatcg atacaacaac 420
acat 424

<210> 5928
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5928

agctntgcc aatagctta catcagctnt gaaaaatcaa tttttgaaga ggataagtca 60
taagtgactg gctaatacgc ttcacagata tacatgtata tataacaagt agtaacaatg 120
tgctttacct ggactttata taatgaaaca acttccacaa caacaccaat ggacaaacca 180

agttcaacta caacaaacta attcagcttc acctggagtt gatataatga gtaatggctt 240
 tagaagaact caaagccaaa ccaagttcaa gtacaacaaa ttaattaatc tttttctcaa 300
 ccaaagtatg tcaaactact tggtggatat taaaagtgtt agttattcat gtgacaggca 360
 aagagagttg taagacaata attcttggtt aaaactgtca atgaagtatt gcggcattaa 420
 tttgatacaa actgatcaag aacaatga 448

<210> 5929
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5929

gttgcgcgta ctgatgggta ccatgaggtg tttgctgggt tttgaccac gcgggtgttg 60
 aagagacggc atgggcatct cctccttcc tttntgccc tggtgccccg attcttttgg 120
 cattcgcggt tgtggaggaa acataatcaa actttcctct tttcaatcct acctcgattc 180
 tttcctcgac aaacaccaga tccgcaaagc tggacggcat gtaacctact agcttctcat 240
 agtagaacac tggcagagtg tctaccatca tggatgatcat ctctctctca accatgggag 300
 gagccacttg tgccgccaaa tccctccatc gctgcgcata ttctttaaag gtttcaccct 360
 ctttcttgaa catattctgc agttgagtae ggtcaggagc catatcagaa ttgtactgat 420
 actgcctt 428

<210> 5930
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5930

agctttctag cttttcattg gtgtattttg atctccttn tgtgctctaa attgtgggag 60
 tgtgctcaaa tatatggggc aattttgatt tgttttcttg cttgattaag ttgaattggg 120
 ggtttgtatg agatggccct aggcctataa tgcattttga aacaatagga catgccacat 180
 tgtccccgtt ctcttgctat tgatgcctaa acgcgcgcc accaagtgtt cgggtgaaatg 240
 cctcaatggc attagcgtgt gacttttgta aggagacaac ccatggggta ttttggtttg 300

tgcataTTTT ctatTTTTTT ggaatatgta ttcattcccc aaaaaggcta gagtaattgc 360
 cccacatata tccatagtcct agaaactgaa at 392

<210> 5931
 <211> 475
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5931

tgttggacac gcggagatta cgtcatcttc cacgctcaca ttatctgtca tactcaaatt 60
 tgagtcacgc tgacgggagg aaatacccca gtgggttatcc gtataaacat tcttttttgt 120
 tgtctgtaag acgaanagcc tgatagcaag cagagactaa cgtcgttttc tgcgcccttc 180
 gtcaatcgcg gccgacaagt cccgttgaca cggggagatt tacgtcatct tccgcgcaca 240
 caagatctgt catactgaca tttgagtcac gttgacgggc ggaaataccc aagtgggttat 300
 ccgtataaac tttctTTTT gctgtctgta agacgaanag cctgatagca cgcagagact 360
 aacgtcgtct tctgtgccct tcgacaatcg cggccgacaa gccattgac acgcggagat 420
 tacgtcaact tccgcgtca caagatttgc atactgacat tngagtcacg ttgac 475

<210> 5932
 <211> 308
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5932

agcttgctag tcatctTTTT aactcttgcct cttanagcag gttatatggt ttgactagcc 60
 aagggataga caatttgatc aaaggactca gatgttttcc atccgacgga tcggagtgtg 120
 agtatttttg tgagttgatg ataataattg ggagttgaac tagattagcg acctttgttt 180
 gcatgaggag gtggtttagt gaaatcaatc tcaactcttt tacccttaga tatactactt 240
 ctttatatcg cactccatgt gttcgtaaaa ctgccanaa tagctgggta attatactcg 300
 tggatattt 308

<210> 5933
 <211> 411
 <212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <400> 5933

tgaagaaggc tgagcaaacg ggtaggcata taaaaggaag cagagaact gcatataaaa 60
 ggaagaaagc gctcctcgtg atggcgcggtt gaacctgcaa acgcaagtcg taggctccaa 120
 tggcatttcc ctgcttcctg cagctgcagc agtctgctgc agcactgtgc accctgtcac 180
 ctgcatagct aaaacgccag tttgactggc gtttctggcc tccatgcaca acgcgccagt 240
 ggatgttgca cgtcccactc cacgtaagta gaaggcgaag ccgctgctgc tactagcacg 300
 tccctctcca cgtggcagct ccttcacgga agcgccagtg gtggtggcgc catgcatggc 360
 gttcacgtac caaaagagca cncgctgaga ataaagtttg gaagaacccc a 411

<210> 5934
 <211> 325
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5934

agcttttgtt cctttntata aaaagagaag ttctgaaact catcacgttg tctaaaaagg 60
 ccttgagggtg gatctaagta ctctgatcat tcattagcat attcatgatt tgggtggcatg 120
 ctcaccaata tttgtttctt tagggaactc accataacta aaaaaacgca aaggcacccc 180
 tataacaccc gatccaaaag taagatggat aacgaagagg gagtgcaaga acagatgaag 240
 gctaacatat cggccttaaa agatcagatg gcttctatca cggaagccat gctannaaat 300
 caaaaatcaa taaaagacaa tgata 325

<210> 5935
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5935

tcaatagcat agcctcgtaa gaggacatcc aaagntgtca tattgagatg attctctctg 60
 tgaagtttgt cagaaagggg aacaagtaaa aagttctttt aaagaaaata aatgttattt 120
 ccacttcgag gccattaaag cttctacacc ttgacttgct tgaaccaacc aggattgcat 180

ccctttttgg atgcaaatat ggtctggtca taatggaata ttacactaga tggacttggg 240
 ttaggttctt aaccacaag aatgagtcct ttgatacctt ntataaatnt tgtaaaaaga 300
 ttcaaaataa aaaaggcatt ngatatctctn taatcataag tgatcacagg gaagagtttg 360
 aaaatgatat ntttgaatga aaagaatggt attcaccata tattttccac tganagaata 420
 ccaaactaga atggagtta 439

<210> 5936
 <211> 331
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5936

taacagactc aggaatgtca naggttgatg caatntcacc tctcagttac caaagccaga 60
 cgctcaatac catcaaaatc agcatgttca atagccaata ttcccgcac agctaagagc 120
 tcctctggaa aattgcaa at caactgtctg ttaacaaaac agctgatacc atgacctatt 180
 atcttctgca ccttttctct cattatctct ttctctgctg tttcaatttg agcaactcta 240
 gccatagaat caacacgaac acgtgcacca tatacttcca ctttgtctgt gtccatggca 300
 atgtttgcc a cagtatctt tgcattctct a 331

<210> 5937
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5937

agctntgagc aaattcaaac gacattaact ttttactcgg atgtctgatt cagtcccgt 60
 atatctcgag acgcttgaat ttgaatgccg aagctctgag caaattcaaa cgacaataac 120
 ttttagtcg gatgtctgat cgagctccgt actatatcga gacgctcgaa atggaatacc 180
 gaagctctga gcaaattcaa acgacaataa ctttttactc ggatgtctga ttgagacccg 240
 taatatatcg agacgctcga aatggaattc tgaagctctg agcaaattca aacgacaata 300
 acatttacct cagatgtttg attgagctct gaatatat 338

<210> 5938
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5938

tgcatttgga attgcgaaag cccactcca tcattaggat tattacctga catctcanac 60
 aaacaaatca aacgtaacaa gacaattata gctgctgttt gaatacctca cccactcaag 120
 tgtatcacac aattatggct cttctctaata gaaacactct tgcctttttac cactctaatt 180
 ccccttgagt tcttaggcaa ttcaagagat tatggccaca acaaagaaca attcaccaat 240
 atgtgtaagg taaggctaga gagacaagga aaagggttaac caagaaaagg ctaacaatgt 300
 ttttaggcac acatgaagga aataaaattc agaattaaga attcaagaac aatccttcat 360
 caaccaatat attaccttaa agagattctt ttaaagtctt caacatgacc attcagc 417

<210> 5939
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5939

agctcttgcg tgcaaaactta tcgttcacgt tcctctcatt ggaattgaat gaaacccccac 60
 acattaacaa agtcactttc aaaaagacac tttcgttgtc cccccctcac tttttttcca 120
 tacatgaaga aaatgaacgg tttataatag attgggcatg gaagttgaca ggtgaaatcc 180
 caaaccctaa ttctcactat acccctttnt ttttctttta ttctccaaac attacacaag 240
 gagttactac caaattatta ttttcagtac tgagagttgg aggggtctatt ttctgtccat 300
 taatacctgt ctcatangcc ataccacttc catattttgc aacattntct cctcacttgt 360
 tgcataacac caaagaacta catatagttg tcattgcaca ggtacaacaa cctaactagc 420
 tagctagcta gacacacacc c 441

<210> 5940
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 5940

ctgtgtatca ttatggggtt agagggccac aaaaagccac caatgaagga agaaatagat 60
actttgatcc gaagcatatt tatttattga agataatccg gacaaaacct ttgcactttt 120
cctcaccttt ttaaattaat tactattaga attactatct tttattatct aatattatac 180
gagattacga gcttataatt actattggct caaactattg tcaagttatt tttttaatcc 240
acatttgata ttatcttata tatatggntc aactcttaaa aaanaaattg tgtgtactca 300
actcttgcac atagagattt agtatttcac agggaacaan aattctatat taatatagaa 360
atatataaca gaaataaaat atccaaatgt ataaagtagc aatttaatca aatattatca 420
tttcacaaag at 432

<210> 5941

<211> 285

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 5941

agctntagct ttgtcccca ggcctcatgt atactggctc aaaatcgca agtgaacctc 60
ggatccctgt cagatacaat actagaagga attccatgca accttattac ttccttgatg 120
tacaactcca ctagcttctc cattctatac ttcattatca ctgggataaa atgagcagat 180
ttgggtgagtc gatctactat aaccacaca gcatcatgtc cagactagt cttgggttaa 240
ctagatacaa aatccataga tatgctctcc catttccatt ctgga 285

<210> 5942

<211> 397

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 5942

agcttcttat ccaaggetca tcttggtggt gaagctcctt cttccatggc ttattcccta 60
gtggatggcg cctcctctca cctcttctcc ttgttttcc gctgcatctc catggtgtaa 120
aatcaccatt aaaggacctc attgaagctc aaagatctag cctccatgga agctccagaa 180
gcaagcttcc atcaagtggg aatcagagca caagagcttc aagtaggtgc tccttaaac 240

tccattaatt nttttgcttt acctttttctt ccattgttgt ttcttcattt tttttcttcat 300
gcattctctc acatgtcttg tgccaaattt tgtaacatg attctctaga gtttcccacc 360
gataaacttg ctatagaagc tagaattgat tttctat 397

<210> 5943
<211> 389
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 5943

tcaacacann atgcgacccc ggaacccagc tgcaaccctt gtaaccagcc acgacacccc 60
acaccacgc gtgaccgct gcacataaca accagcagcg acgaccacg gcgtgaacgg 120
cggcgacgag cacggcgtga acgacggcga cgaccacac gcagaacatc gcgatccaac 180
tctgttgggc atcttgaagc tttatttttt tttgggtttg tttttgctgt ttgacacccc 240
ttttttctgt ctgtaacttt ttttcccttt ttctatttga caccctcttt ttactttcga 300
caattccatt tttatttttt ttttctattt gacaccacaa ttttttttgt tcagtcctct 360
tttaaattggc tgaaccatca tccgatgct 389

<210> 5944
<211> 452
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 5944

agcttctatt ttactgtctc cgtgtgaggg tcgtttctct ttctgtggac attatttcac 60
aaatttcaat ggtggagatg tgcaaaaatg ggttccaaag gtggtatcga aatttcacga 120
caatccaaca gttgacgagt ctgaaatcgt agttttacga agacagggtt tgggtctctg 180
tggaaaaaga gaaagctacg atacgaatga catttctctc acctcagata atatttcgca 240
nattccaaca atgagaatgt tcgaaaatga gttctgaaag gtgctcaaatt ttcattgatga 300
tccaacgggt aacgagttcg ggatcggttat tttactgaga cagggttgag tgtatgtggg 360
acaaagagag gattttaaga gaagaagaag ggataacatt attgagagga agaggaagcg 420
taaagatgta ttgtcagtct gaaaactaac ct 452

<210> 5945
 <211> 220
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 5945

 actaagcttt aaataagggc ccaaacactg aanagtcgtc catgaatatac tcttaataca 60
 tttctccacc atgtctgaca aaatggccag catgcacctc tgaaatgcgg ctggtgcatt 120
 acataaccca aatggcatct gtctataggc aaagacacca aaagggcatg taaaggccat 180
 cttctcccgga tccttggggg ccaccgagat ctggttataa 220

<210> 5946
 <211> 384
 <212> DNA
 <213> Glycine max

 <400> 5946

 agcttctcga tatattatgc gcctcaatcg taccttcgtg tgttaagtta tgaccatttg 60
 agttctggcg tgcttccgtt tttcaatttc aagcttctcg atatattatg cgctgaatc 120
 ggacttccgt ttgaaaagtt aggaccattt gaatttctag agagcatttg ttgttcaatt 180
 tcgagcgtgt cgatgtatta tgcgcctgaa tcggacttcc gtgtgacacg ttatgaccat 240
 atgaatttct agagagcttt cgctgttcaa tttcgagcat ctagatatat tatacgacctg 300
 aatcggaact ccgtgtgacg agttataacc atttgaatct ctcgagagca tccgtgtttc 360
 atttcaacct tcttgatata ttat 384

<210> 5947
 <211> 471
 <212> DNA
 <213> Glycine max

 <400> 5947

 tggaaatgaa caacggaagc tctcgagaaa aaaaaatggt tataacttat cactcggacg 60
 tccgattcag ggcataaaa tatcgagacg ctcgaaattg aacaacgaat gctcttgaga 120
 aattcaaag gtcataactt gtcacacgga agtccgattc aggcgcataa tatatcgaga 180
 agctcgaaat tgaacaacgg aagctcttga gaaactcaa tggtcataac ttgtcacacg 240

gaagtccgat tcaggcgc ataatattga gatgctcgaa attgaacaac aaatgctctc 300
gagaaattca aatggtcata acttgtcaca cggaagtccg attcaggcgc ataacatata 360
gagacgctcg aatatgaaca accaaagctc tcgagaaatt caaatgggtca taacttatca 420
cacggacgct cgattcaggc gcataatata tcgagacgct cgaaattgaa c 471

<210> 5948
<211> 436
<212> DNA
<213> Glycine max

<400> 5948

agctggctgc ataactctac tcgatgttag tttttaaaagg tgtgggtggt cgagatattg 60
aaagaaggggt gaaaaaaggg aaggacatgg aacacatctg ggatttcgtt ttcggacata 120
aaataaaaat tattgtcccc aactagtcag tttttttttt cttcaaaaag taatattaat 180
gttagcctag ctgacactta taataacata tttcttcaaa attatcattt aatgtggagt 240
atgactgaca caagtaaaaa actataaaat aaaacatcaa tgaaaatcaa ttaatgccta 300
cgtagtgta gttgatgcta tattgtgtta gtctcaaaac tattectaca gggtcgcatt 360
aatttgatct ttctttgagc gcataatctc accaccttct ttatttcttc gattgtatcc 420
taatagttta gtatat 436

<210> 5949
<211> 385
<212> DNA
<213> Glycine max

<400> 5949

aaattgggtcc aaaacaaaac gtgagcccca tagacagcat ccaatagatg tcataccttt 60
tctgttacat atcgtggtag tgcaattgat gccagattgc acacagcagt ctcaattgga 120
cttgaatatt caattatctc agtacacaaa gctgacgatt taattggacc caaattcttg 180
tgattgcttt tcttattgca agtatgctag tagttgtaac aaaaatgctg gaattactca 240
tcgggtgaga acaataaata caaaatctca tgaggaaagt caaagacatc taagaacacc 300
accttataaa gcatgtacgg ggggtgaggct tctatctgtg acttcagaat ttcgaaccag 360
aggctctgtg cctggacaac cttca 385

<210> 5950
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 5950

agcttgtaat aaccagaaat tattttttgt tatatgaacc catacaaagt caattatcaa 60
 tggcagtgat gcaaaaccac ttgttttagat gactgagtat agatctcttc cctgggtgat 120
 ttatatagtt acttgtacaa ttttaatttc tttaatgcct tctacaagca atatgtcttg 180
 ggcaatgcac tgtacaaagg gatgtttcaa attgtggtgg aaatggggtg aataactcat 240
 caatatactt ataagtttat taattttatc aatatattac aaaaacattt tcaacaaatt 300
 gtatctcttg aaaaccaagg cttagacctg ttggcttttg taaaagctat aatgcaaagt 360
 aagcctttta ggtaggcca ggcacaaaac gaatagccta tttcttataa tagactggac 420
 t 421

<210> 5951
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 5951

gcagaaaaca agttaaatata tacattcaaa aatgttgact ttttaaaact tgagagtaaa 60
 caattcacat cttaaattctc ttcaacatcc atgcattgac ttaagtaaag ataaacataa 120
 tggttgtcac tctaaaggcc atacaaaaat aaagtaaagt aatttacata aatccataaa 180
 gaaattctat aaatgtatga ccttgccctg atgtcatagc tatcaaacca acgatcctac 240
 cttaaaatat atctaaacat atgaagttaa gcctgttctc tagcattatg ttcactactc 300
 tgatgaccc tacctttgtg tggcaatcaa cccaaacaca tacaacaaaa acagataggg 360
 gaatgagata catcttacca catataacaa tataataatt aaaggcaact tagaatcata 420
 catcattaca cgttgcaact tattcac 447

<210> 5952
 <211> 429
 <212> DNA
 <213> Glycine max

THE

<210>	5953
<211>	394
<212>	DNA
<213>	Glycine max

gaacatatgc	ttagagataa	gctaggtggt	gtgtctttag	tcaatactta	aataattatt	60
acaaaagtca	accattttcc	cattaataat	aatntatatt	tgaatattct	ttggttattt	120
gctcatgaca	actatataat	ttaaatacaa	atcatgtatt	cctcatcgat	gtgtaatcta	180
ttatcaattg	cttactctcg	ttaagattat	tgttctctta	actgtagaat	gggggcaact	240
ttccctcaac	tctaaacttt	tgataataaa	caataaaaag	ggaaagaaat	gttcttataa	300
gttgaagaan	anaaaagata	acactcatat	gtcatagaat	acaatcacat	aaattatcat	360
cactgctatt	caagcttata	ccaattatgt	atat			394

<400> 5954

2526

tttgaattaa gatactgttt ctgtaaagac attaattgaa tggatttgag ttgactgggtg 180
cagctatttt gtactcaaaa gaagccaaat agaagtcac aagttttttg tttgggatga 240
taaactaggc ataacacttt tggccaatag tagttgattt tagttgcttg ttagcatata 300
atggattcac tataattgct tggaaaatag tctactaatt taaacttata aaacaaccat 360
tatatacgag atctcaattt acacattaaa 390

<210> 5955
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5955

tggatgtat gatgaaatat taaaatataa ttctttgaac tntctgatgc catgatgaga 60
aaagagtaaa ttgtatagga ttctcatatg caatgcaaaa ttgggctggc cttattgaac 120
ttgggtccaa tggatctagg agatccatac agtacaagtt acttgagaaa gtttgcttca 180
gctagataga gagaccaaca agaaagcttc agctagataa ataattccct cctatatattt 240
ctccaagatg tgctcttttt gagaaattta ttctgaaaa taatacaaag aaggagcttt 300
ttatccatgg tgacgtcatg aaactcaatt ctatttgctc taatgctgta ctcaatcttt 360
tgcttgatgt atatatataa ttatgcat 388

<210> 5956
<211> 318
<212> DNA
<213> Glycine max

<400> 5956

agcttgctcg gttcaatttc aattaagcgc ttggggcatc ccacggactg agcaaaaggg 60
ctcaggttat caaaatattg cacgtctttt aaagcacaaa gcgaggatca gaacctcaac 120
cctacgttct tttttttaa aagactgcga tgagagatat taaaaaggac aggaaccctt 180
gtgggaaacc aagaagaaca tacaaaaata aaacatgcaa cggcttcctc aattgcccc 240
gatattaagc gtagtatcgc ttgacaacgt tggagttcac ggggtgaagg agctcctcgt 300
cattcatgtt ggcgagca 318

<210> 5957
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5957

tgctcanag aggtccagga aggacaatgc ggccgaagga tctagttctg ctcttgagta 60
 tgacagtcac cgcttttagga gcgctgtaca ccagcagcgc ttcgaggcca tcaagggatg 120
 gtcatttctc cgggagcgcac gtgtccagct canggacgac gagtatactg atttccagga 180
 ggaaataggg cgccggcggt ggacatcact ggttactccc atggccaagt tcgatccaga 240
 aatagtcctt gagttttatg ccaatgcttg gccaacagag gagggcgtgc gtgacatgag 300
 atcctgngta aggggtcagt ggatctcggt tgatgctgac gctatcagcc agctcttggg 360
 atatccgttg gtgttggaag agggccagga atgcgagtat ggccagagga ggaaccggtc 420
 tgatgggttc gatg 434

<210> 5958
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5958

agcttgcttg tggngcttct atggaggttg tatctttgag cttcaattgg gtcctttaat 60
 ggtgattttc gaccatgaag atgcagcggg agacaaagga aaataggtga gaggaggcgc 120
 catccattaa ggaataagcc atggaagaag gagcttcacc accaaaatga gtcttggata 180
 agaagcttgg agaggatgct tcaatggagg aaaagaaaga gggagagaaa gagagagggg 240
 ggagcacgaa attgaaggaa taaaagaggt atagaagtgg aactttgaag tatgtctcac 300
 aagactctca ttcacaaag ttacaacaag tgttacacat gcttctatatt atagactagg 360
 tagcttcctt gagaagcttt cttgagaaaa cttccttgag 400

<210> 5959
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 5959

tctacaagaa gagatggcca cggggatcaa gaatggacta ctcatcaaaa gtaataaagg 60
agaaaatcac aaggagctga attggagcac tttgaagatt gttgaatagc tcgcttagcg 120
gcaccaactc gctaagcaca attccagctc gagaagaaat tgtgcttagt gcgaatgccc 180
cgcttagcgg aaacctttca ctagaatttt cgaaaaactt gtgtctactt gtgtaccagg 240
cttcaagctt gatgtagata ggccttaaat ggtgtgttta aggggttatt agagggttag 300
ttaccttctt atgcctagcc ctataaatac tcaaaaactc ttaattntgg aaaattnttg 360
tagaattgaa attaagttgt gcttagagag agctntagcc tcttc 405

<210> 5960
<211> 284
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5960

agcttttctt tgtgggttga taggttctgt ctctagaat ggcatgatca ttggctgaca 60
tgttctcaat cagctcagtt gcttcttccg gngtcttcat ttntatcttt cccctgcag 120
aagcatctaa cagttgcttt gtttgtggtc tcagcccatc tataaacata ttcaattgga 180
ttggatcaga aaacccatga gtggaagtgc atctcaacaa gcctctgaac ctttccaatg 240
cttcacttag agacttatta ggacactgat ganatgaaga gatt 284

<210> 5961
<211> 317
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5961

ggcctcanag aggtccagga aggacaaggc agcagaagga actagttccg ctccggagta 60
tgatagtcac cgctttatga gcgcggtaca ccagcaacgc ttcgaagcca tcaaggggtg 120
gtcgtttctc cgggagcgac gcgtccagct cagggacgac gagtatactg atttccagga 180
ggaaataggg cgccggcggt gggcaccact ggttactccc atggccaagt ttgatctaga 240
aatagtcctt gagttttatg ccaatgcttg gccaatagag gagggcgtgc gtgacatgag 300

atcctgggta ggggtca

317

<210> 5962
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5962

agctntaaag gatgattgta ttatataact tataaaacgg tttcccaatt aaaaaggaat 60
aaaaatgtgt ggcagtataa ggataagaca taanagctgc gaacagttga acaagaatag 120
gaaccttgga atatggaaat cgaaggaaac agataaaggc tgaagggtgcc accgtaatag 180
tctttccctt tattcaacgt tcaatcataa aggctggctg accaacgtgt gctcatccat 240
gtcaaattga atttggatat tttaaatttt aatcttataa atcgaaaaat ataattaaga 300
ataaatactt tattacagaa aaatacatat ttttgtacga atataagtat tggaaaggta 360
ataaattctt ga 372

<210> 5963
<211> 356
<212> DNA
<213> Glycine max

<400> 5963

tatccacctc tcataaattt gaaagtcaat gtcaataaag tccaacgttg ctagatatgg 60
aaatatacga gtcaaacttg ggtaggacc attgaggcat taaattaagt ttaatatatc 120
agcgtagtgc ttggctaaca aggaatggga aatcaagata ctacctcaaa ttctttttta 180
tcataagaat ctttctgata aaattgttta tttcttcatt taaggctctt tttatattgt 240
atctttttat taactatttt tatcaaaaata tttctaatta cttataactc tttagttaac 300
aaatagtaga gaaaaaatgt tatgcattaa aatgtaaata attatttatt atcact 356

<210> 5964
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5964

agcttgctaa cccatggaag ctectaatat ctcccacact tttttaggtg ggccattctt 60
 ggatggcctt gattttctca gggteccatt ggacccatt tctaccaact acaaacccta 120
 agaaaactat attatctaca caaaaagtac acttctctat atttgcatag aggggtgtttt 180
 tcctaaggac tgaaagaact tgcctgagat gtcctaagtg atcatctagg ctctactgt 240
 atactaaaat atcatcaaaa taaacaacta caaatatacc tatgaaatcc cttaagacat 300
 gatgcataag cctcataaag gtgcttggtg cattagtgag cccaaaaggc atcactagcc 360
 attcatacaa accaaacttg gtcttgaaag cggttntcca ctcatcacc ttttcatct 420
 tgatgtggtg atacccactt t 441

<210> 5965
 <211> 465
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5965

ctaagctatg caccctntn ttcaatatta atcaacctga aatcacacac aatcacaagc 60
 aatcaactac actcaatgca aagaaaacaa aattaaaaat aaatgactgg gtttctccc 120
 agcaagcact tgtttaacgt cattagcttg acgcatcgct ctgttatcct agatcaatct 180
 tggttctctc tttcagaacc ttctcatcca actccttcac ctgtaagcac acatcctggt 240
 ccagcagttc tcttcttca ttaaatagat caaagctgat ttgttggttt tcaagactca 300
 tttctaactt tttcttcct atgtccacca cacagcttgc aatagacata aatggacgtt 360
 ccataatgac aggaatattt gcatcttct caatgttcat tacaataaaa tcagtaggaa 420
 aaataagatg ttntactcga accanaacgt cttcaatcac tccat 465

<210> 5966
 <211> 414
 <212> DNA
 <213> Glycine max
 <400> 5966

agcttgagat gaggaagtgt agaagggtgt ttcttctgc ttttactcgt tgaccacaga 60
 gtggtacctg gagatatgtc ggggggtca cgagaccttg gggacgtcag gtggggtgct 120

attgtccaaa accaagcttg accaatcccc acccaacccg ggcatagtca gtcagtgaga 180
 acctgtgatg tacctaaaca ggcgagctcc tggcagtcaa cagataaaag gaacaaagac 240
 cacaaagcaa ggaggcttgt ggtggctggc cagctgtgaa ctttgattga tatgtgggtt 300
 atggcctctg gtaatcgatt accaagggtg ggtaatcgaa tacaacgctt aaaaatgaag 360
 acaggagggt aagatgggtct ctggtaatcg attaccaagg agtgtaatcg atta 414

<210> 5967
 <211> 228
 <212> DNA
 <213> Glycine max

<400> 5967

ctgcacaaga ctctcaatta taagagtgc ctggagatcc tccagacgtc gaagacactg 60
 tccagcacga tgctattcct tcatggactg agaggggcaa gctgcgggca tgattatcat 120
 cttcccataa taccttggat caacagagat cgtgtctccc tataccactt cacttgggaa 180
 tgaacgttac ttgtcttctc gagaatgata tgccgtgcta ttgcgtgt 228

<210> 5968
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5968

agcttctcac tttaaaattht agaacatata ttaggaaatt tattataaac taaagcatca 60
 aagatttttg aaagtccaat ttacaatatc catcaagttc atgcttactg atgttttctc 120
 atgtgtgctt ctgttcgggt gtgtattht ttatatattht attatthtct cttttaggtc 180
 tgtgccagca tctggacttg atgcagtgat tcctagtgc aatcagctta ccatcttcta 240
 taatgggagt gtttgtgtct atgatggaat ccctgcagag aaggtatacc catgctgcac 300
 tttaatcatg aatcaatctt gcagctgctg tgcccttcaat ccaggctcta actttacatg 360
 ttatgaactt atgatgcaat cctaatacata cantcgttta tttactaaca cgtgcatgac 420
 ataatgctta ttg 433

<210> 5969
 <211> 392

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 5969

 tggcgccaaa cataagagct ttgcacaaaa atggtgaaca tataagtaga aaagaagaga 60
 tttaagagct tcataagaga gatttaagag aaggagtctg aagtcactca ctactatgga 120
 gcttgaaga agataaaaaat ggtggtgtct tcctcattga aggtctcatg caagaagaag 180
 aaaatgaagg ttcaagtttt ggtttttgga gaggaaatgg taagaaatga tgagaagtga 240
 tgcaaagcta tgccctaattc tattgataag ctacttgat actactacaa aatgtagatt 300
 taaatcgcta tttaacatcg gttnttgata aataccgatg ttaacaaaaa catggtggca 360
 taatggtaaa taatgtgact ntcttaacat cg 392

<210> 5970
 <211> 360
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 5970

 agcttggttg gttcagcttc aattaagcgc ttgnggcac ctaggattg cgcgaaaagg 60
 cccaagtcac caaatactac gcatctttta aagcaciaag tgaggatcgg aacctcaacc 120
 ctacattctt ttaaaagatt gtgatgagaa aattacagag gacaggaatc cctgtgggaa 180
 accaagaaga acacacaaaa ataaaaacat gtagcgactt ccttaattgc ccagatctt 240
 aagtgtagta tcacttgaca acgtcgaagt tcatgggtga aggtagctcc ttgtcatcta 300
 tgttggtgag caccagggcc cttccggaga aagccctttn tacaacaaag gcccttcgta 360

<210> 5971
 <211> 416
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 5971

 tgaagcatga gccgttctga gagcttaaga tgagnttgat agtgattgtg agatcctaga 60
 ggtgcaggag acatcctcac cacttgattt ttttcaatct ttcatttgt tcttctcttt 120

gttgtaaaga aggcttecta gttatcgaaa gctaaatcct ctgttggatc ttccctatag 180
 gtacctgatg taaatatatt tttatttatt taatgatgtt ttgtgtgttc tctgtgctat 240
 ctgcttttca ctccagtatg cttttacett gatcacgcag atgcatgctt tgttagggtc 300
 attcaactat ggaaactggg ctgattctaa agtccttgag agtacatggc taagttgtcg 360
 tactatcacg aggaatcagg gtgcgataat ttagttgtgt atgtgtttct taatgc 416

<210> 5972
 <211> 362
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5972

agcttttatc tagccaagat catacaaaag tgttacaaca gaacctaacg gtttctaatt 60
 atgtggggcca tcaaactctat catgtgtnga caataattga ttagcccatg aatttctctt 120
 ggggctgaac acacttcggc gatggccatc gctntggctt gtagtcgcgg gaggtcttga 180
 cttccattta aggtcaagggt gaacctatcc atccacatgg tcgcttcttg atgcaatgca 240
 tcaatcacc tccctcttgc ttccttctcg gcgtacgctt gtgtgaagtc ctctactagc 300
 ttttgttcat ggggtcaaaga ctggtttaac tcttcttgta ctgccctatg atagctagca 360
 tg 362

<210> 5973
 <211> 292
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5973

tctatagaaa ggtcattcct aattttctcta caattgcac acccttcaat gagctagtga 60
 agaagaatgt ggcatttacc tgggggtgaaa aacaagagca agcctttgct ttgctcaaag 120
 aaaagcttac taaggcacct gttctagctc ttctgactt ttctaaaact tttgagctag 180
 aatgtgatgc ctctggagtg ggagttggag ctgttttgtt gcaagggtggg caccctattg 240
 cttatttttag tgaanaactt catgggtgcca cccttaacta cccacacctat ga 292

<210> 5974

<211> 312
 <212> DNA
 <213> Glycine max

<400> 5974

agcttggggc tgctgccaat ggtggctccc gtaagcttgt tgaaggttct tgagctttgg 60
 gaaagaaatg ggggtgaaaat ggcttcaccc cccccccccc ctttaagttt tctcatcaaa 120
 ccacgctcgc ccaagcgagc tgatttcaat tttttttttg caaaaatatt ttttgcaaag 180
 ctgtgctatt cattgttata ttttctctct aaaaatccta taattgcata taaacttagg 240
 cgaattcagg atataattca agaaaacgaa caagtatgaa aaaggaaatt aaagagcaca 300
 tttagagata ct 312

<210> 5975
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5975

tcaattataa gaacttgagg agatatgctt agaagcctat gagaactcca agatttacia 60
 ggagaaactg aagaggtttc atgactctaa gattcttaag aaggagatcc atattggcca 120
 aaaagtgatc ttgtataact ctgcttcaa gcttaatttt ggtaaacttc gatctatatg 180
 ggatggacct ttttttatta ctaatgttnt ccccatggca caattgagat taaaatgaa 240
 gttattagca aagtcttcaa agtgaacggc caccaactca agctttttca tgagagcccc 300
 aagtgggtga gcagtttgtg gcggaacctc ctttgatctt gccaaactta tgtgatgatg 360
 tcccttgaat ggaactngan gagtttccat ccccttcttt tgtatgttgt cacttttggt 420
 gcctttcatt gcatgctcac attgagaaca at 452

<210> 5976
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 5976

agcttacagt tcaaatcaaa agacatcttt ttgtaatact gatatactct ccagagattt 60
 gaggttttct tttttagctt atcaagttca ttattagcaa tggttcattc ttttttaagt 120

aagagttttt gtttaggcat ttccttgac ccttcttttg aatcttcaag agttgtagtt 180
gattttaccc tttcttccaa gtcttgaaaa tccttaagaa gagtttttcg ccactagat 240
gtatttttgt ccaatagtgc tttgacttcc tcacaaatag aggtatctat tcactactag 300
gcgaagaagt ttccaggaca aaattaacta agtgaacttg atgagctttc ttgaaatcct 360
catgctctct ttcaagatgt ttaacacctt ttatttaa 398

<210> 5977
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5977

tagagaggaa gttcaatgga ggaagagaat aagagagaga ggaagggtgt gggaattcaa 60
ggagattagg gagagaagtt gaactttgaa gtgagtctca caagtttccc attcattaaa 120
gttatgacaa atgttacaca tgtttctatt tatagcctag cacatggaaa gcttccttga 180
gaagcaagga aggtatcttc gttgggaagc tagaggaaga aagcttcctt gagaagttag 240
aggggggcta ctcacacccc tccaatagct atgctcagcc ccatgcaaaa atatatgana 300
atacaatggg aagcttcctt aagaagcgag gaaggtagct tccttgggaa gcaaggaaga 360
aaacttcctt gagaagctag aggaaggag ggctactcac accctccaat agctaagctc 420
accncgtgt canaatacat gaaaatacca aaaaagtcct tactacaa 468

<210> 5978
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5978

agcttgccg agcagttgag caagaccgaa taaaatatgt gggccatcac cgactagtag 60
aaggaaaagt taagcctatc agcgactcat gagcaaaggc tagaggatga gtacaacaag 120
gtatcaatcc tgcaagcgaa aaggaaagca agggaaaggg tgatcgattc attgcacaga 180
gaagcaatga tgtggatgga ccacttcgtc tgggagtcaa gaacttcctt aactgctagc 240
caaggccana ggaatggcgg atgtgtactt agttctcgag gaggttcacg ggct 294

<210> 5979
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5979

tanactcana aagaaaggtg gagaataaag tgagtgaacg actagaaaat agcttgtatg 60
 catcactigg tttcagggtt gtcacatca aacaggggga aattgtggaa gcaaagctac 120
 gatgatgatt caccaagaga tgatgccaaa gctcaaagag gtttttcaag attaaagaat 180
 caagcattca agattccact caaagattca agaatcaaat gaagaaatca agaagcatca 240
 agccaagtca aagtaggtag ttaaaagtat atttttcana aaacatcaaa tagcacactc 300
 tttcgtttaa aaaggattct ctgaaatggt ctaagtta 338

<210> 5980
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 5980

agcttctagc caaatggact taccttgaat taattccttt gatagcccct ttgagcctat 60
 gtcccccttt ctttgttttg aagctcatta caaaccttaa atgaaaaacc atgatatcac 120
 cttaccctta aggaattttg gagctttgga attgttttgg gaataagttg ggaataagtg 180
 tgggtggtat gtttcattgg aagatataat ttttggccat gcttaatggt ttattttggc 240
 catgcttgat gtatatatat attgcctagt tcttgcttta atcttcaaat tcatactatt 300
 aaaaaaatg aaaaaaaaat tcaattggtg caaattctgc aaattcgtac agttcaaaaa 360
 aaaaagagaa 370

<210> 5981
 <211> 339
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5981

tcggcccat tgttctctgc gccctccctt ntcgctntac cttacccag tagaggtcgt 60

cggcattgtcg cggaatttca caaattgcct aatgatgggt gccaaagcacc tcacaaggac 420
 caaacagaag tcgcatgtca tc 442

<210> 5984
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5984

agctntaaac ttcattgcat ccagccactt tctcttttct tcattatcca tggcctctct 60
 aaatcactca ggttctccat catctgttag gatcacatac tcattaggag aatacctctt 120
 agaaggttgt ctctccctgt tggactttct gagttgaact tgaggtgggt cggtggcatc 180
 accaagattt tcatcttggt acatgtcatg ctctcttcca tcatcatcat caacatgaac 240
 atctacctca tctccagggt gttggacact aacatcattc ttaactttag tattcagatt 300
 ctgaataggg gattgaactg gttgaaaatc agccacacca ttgtcttctt tgggtgtaaa 360
 cttatccacc ttatcaatgt cttcaatgggt ttgggtcttcc atgaatttca catcatgggt 420
 tctaacaagc ttcttctcaa taggatcata 450

<210> 5985
 <211> 455
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5985

ntgatgatgt tgagaagaaa tcacatgttt gtcacatca ttaagggaga gaatgtgaat 60
 gtatgtacac atgattttga tgatgtcaaa agaagaatca aacaaggctc atttgcacat 120
 agattaatac aagattgttt caacaaacaa agccttgatt caagatttct tcaagatcaa 180
 gccttgcttc aaaatgaaag atttcaagtc atccaaggca catgtaatcg attaccaaga 240
 cacatgtagt cgattaccaa tgggttgaaa gtgtgtaatc gattacacat catatgtaat 300
 cgattaccag agactttgaa cggttggaat tcaaatatta aatgaagagt cacaattggt 360
 caagaaaaat aactgtgtaa tcgattacac taatgttgta atcaattacc agagagggat 420
 ttcaaggaat atcgccaaca atcacatctt atcat 455

<210> 5986
 <211> 380
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 5986

agcttaggat aagggttatg gatgttggtg tttctcatag gtcaagctac aaattgtgac 60
 aatgaagttg gctcgagtat tttcgggtga aagctccagt tatctattta tgggccatgg 120
 cctactcaat ctttaataaa tgaccaagtt ttacaaaaat caaacttttg tttttctgaa 180
 ggaaaaatca acttattatt cggtcttgat tttaacattg ttactcttac gtatcttgca 240
 acagcgcaag ggggtccagct ccaaaatcta gttgtggata aatctaaaat tcaaatggat 300
 caagtgtcat tataaaatag acagttatga ttctaggaat ccctctctaa attgtcaatt 360
 ttagactttg ngatcacat 380

<210> 5987
 <211> 447
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 5987

cttgtatccc agggagggga ttngagctta atgttgatgg gtctcctttg aagattctga 60
 gaaagaacat gaccactcta gctcagacat ggagcgttct ttccttctcg aacctcattc 120
 ccacctccca tacatatgat gtgaccttgg acagagccaa gttgatttat ggtataatta 180
 tgaatatgga tatgaacttg gggtagctca tctcccacca gatctctctg attgcacaac 240
 ataatacatc caaacttgga ttccttgctt tgatcacagc tctatgcaag gccagaagag 300
 ttcagtcaaa ctttagatcc cttagagagc tgagccctgc cattagcttg gcatatatta 360
 agaagaattg tagaatcttg atgattcaac agtgacattt agagggccaa ggaaggccag 420
 aggtatgaga tcagaggccc ctactac 447

<210> 5988
 <211> 351
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 5988

agcttagaca tatgccaccc acgnggtcc tttctcacta tattatttcg tctttgtcc 60
tcatttttac attttgaggt aattgtttcc tctatcccaa ttaatatatt tcaatttctc 120
agaagtactc gcgggttccg aatattaaaa aataaaaata taatctataa ctattaatat 180
taaaaaatta ttctattaat aataacaatt ttatccttaa atcacttctt anattttaaa 240
tntttcttct aacttacatt aacttttcac tatttttata ttattagttc tttttattct 300
tgtcattttt tattaactgg tttatttttt tattatctaa aaaatttaaa g 351

<210> 5989
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5989

gtgtattgct gcattctact aatatatgga gttgtccact tctttgctg agaataacaa 60
ttgcttgacc acaacaacgc tggagacggt aagggaacaat ggtctttcaa ataaacatgt 120
tgtacatgaa caaagattat atcatgcggt gaccgtgtca aatgaaccag cgaagtcatt 180
gcataattgt tatactaact atattcaatg tacctgaaca aaatgatttc caaacacgtg 240
accgacacat atcatgcggt gccagaaga atcaggtggt tgttgacttc taagaggaaa 300
aaatgtcatg ctttgttgtc gggacaatga tacaaggatt acgttatacc gtgatgcaat 360
cacatatccc atctccgtta tatccatcca cttgtccact ctaacctgaa tcaaccaaac 420
atacacatgt aagtaatnta tagtttgtat taaaaaata acctanaaca ta 472

<210> 5990
<211> 437
<212> DNA
<213> Glycine max

<400> 5990

agcttgcata aagaaatgtc agaggatgaa attgcatgtg gctgtattag agcacattga 60
agagaaaggt gtcattgagaa gaaaagaggg gttgtttccc taattattaa ctaactgcaa 120
ccaccaagtc acaaggtggt aaccttgctg ttcgacaatg gctcgccac tatccatcag 180

actaatgcaa ctgttttaac aaattatttg gctacatatt tcaaaacata taacctaagt 240
 ttagcttaat taaaaatgaa ccttaagaaa gtgtttgacc ccattgtact gcaaaagaat 300
 gagtattctc attgaaatct tgtccaaatg aagggtgact gaaacaagta cgaaatgaat 360
 ggattttaga agaatatcat accttttgcc ttaatgaata gctagcagct ctaataccag 420
 caaattcatc aactaac 437

<210> 5991
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> unsure at all n. locations
 <400> 5991

tctctttttc tattatttta tttaagcaat gccacatgtc tccatttgag tggagcaaga 60
 agggcccact ttctcttttt gactgtgacc cacactcagt cacaaaagtg aggaaaatct 120
 aacctttgaa acgctaaaaa tctgcctcgc gtttgtgtgc cgtttctctg gttccagttt 180
 ctgcggtttc tctgcgtccg tcggggccag ttttcgaaag taagcaatat atatatcaaa 240
 acgctcataa tagaaccctg agcgtggttc agaggttggt ttcgttaaata tctaagtcgc 300
 acacaaaacg atgattntta aactaattaa ttaagaatta acccataacc ctccagttat 360
 ggatttctct tccttaatta gcctaaccgc cgtatcttgc ccnactact cctacttcta 420
 ccaagaacac atatgcatat aactgaata aaacttat 458

<210> 5992
 <211> 412
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5992

agcttanaca ttcaatttct aggcctctga tatattacgg gacttaatca agcatccaag 60
 aaaaaattta ttgtcgtttg aatttgctca gagattcaac attcaatttc gagcgtctcg 120
 atatattacg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaattggctc 180
 cgagcttcaa cattcaattt cgagcgtctc gatatgttac gagactcaat cagacatccg 240
 agtaaaaagc tattgtcggt tgaatttgct cagagattca acattgaatt tcgagggtct 300

cgatatctta cgggactcaa tcagacatcc gagtgaatag ttattgtcgt ttgaattggc 360
tcagagcttc aacattcaag ttcgaggggc tcgatatatt acgggactca at 412

<210> 5993
<211> 362
<212> DNA
<213> Glycine max

<400> 5993

atgagccaat tcaaacgaca ataacttttt actcggatat ctgattgagt cccgtaatat 60
atcgagaccc tcgaaattga atgttgaagc tcttagcaaa ttcaaacgtc aataagtatt 120
tactcggatg tctgattgtg tcccgtcata tatcgagaca ctcgaaattg aatgttgaag 180
ctctgagcca attcagacga caataacttt ttactcggat gtctgattga gtcccgtaat 240
atatcgagac actcgaaatt gaatgttgaa cctctgagcc aattgaaacg acaataactt 300
tttactccga tgtctgattg agtcccgtca tatattgaga cgctcgaaat tgaatgttga 360
gc 362

<210> 5994
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5994

agcttgccgc ccagctcgtc caggcgagca tggttgcttc ctccagaagc aacagccttc 60
tggaggaatc ttctggaggg cccaagtggg cctgggtgct atttgacccc cctttttttac 120
taaatgcacc ccccttttct atttttttgt aattcttttt ccgtaacggt acgaaacttt 180
acgaatttcg taacgatact tattttcctt ctgtaagggt acgaatcctt atggattatg 240
tatttactct tttttacctt tcgaagaagt tacggaaact cacggattgc gcanaaacac 300
ctctttccga ctccgccac actacggaat ttcacggatc acgcaagcct gcttcctttt 360
ggattttctga gacatctcgg gacttcattt attgcatgtc atcaagtaat aatccccgg 419

<210> 5995
<211> 458
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 5995

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cgattacaca gtgcaaattt tgaattcaaa ttttagtagc tgttgtaaatt cagttttggc 120
cactggtaat cgattacatc ctctggtaat cgattaccag agagtaaattc tcttgaaaaa 180
gactttntaa cttaaatttc ttggccaaac cttttgctac ttcaatagga attcccttcc 240
tattttaata tactctttct aagactctag aaactgtctt gatcatccat cttgaatattc 300
tttgtcttga ataaagcttt gagaaacacg taaccctttg gcaagctttc cctttggcac 360
catcaaaaca ttcagcttga tcctttgtct acaatctccc nctttttgat gatgacaatc 420
ctganatcaa gacaagctat atacaagatg atagcacg 458

<210> 5996

<211> 396

<212> DNA

<213> Glycine max

<400> 5996

agcttgaaat tgaacaactt aagctctcga tataactcaaa tggtcataac ttatcacacg 60
aacgtccgat tcacgcgcgt aatatatcga gacactccaa attgaacaac gtagggctctt 120
gagaaattca aatgttcata acttgtcaca cgaaagttca attcaggcac ataatacatc 180
gagaagctca aaattgagca acgaatgctc tcgtgaaatt cacatgggtca taacttgtca 240
cacggaagtc tgattcatgc gcataatata tcgagacgct cgaaattgaa caaccaaagc 300
tctcgagata ttcaaattggc cataacgtgt tacacggaag tccgattctg ggccataata 360
tatcgagaag ctgaaattga caacgacgct ctctag 396

<210> 5997

<211> 429

<212> DNA

<213> Glycine max

<400> 5997

tgagattgaa caacagaagc tctcgatata ttcaaattggc cataacttgt cacacgaagt 60
ccgattcagg cgcataatat atcgagaagc ttgaaattga acaacagaag ctctcgagaa 120

attcaaattg tcataacttg tcacacggaa gtccgattca ggcgcataat atatcgagac 180
gctcgaaatt gaacaacgga tgcactcaag aaattcaaatt ggtcataact tatcacacgg 240
aagttcgatt cagacgcata atatatcgag aagctcgaaa ttgaacaacg gaagctgtcg 300
ataaattcaa atggtcataa cttatcacac ggaagtccga ttcaggtgca taatatatcg 360
agaagcttgg aattgaacaa cggaagccgt cgagaaattc aaatgggtcat aacttatgac 420
acagatgtc 429

<210> 5998
<211> 377
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 5998

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accactctgt catgcacctt atacagagca tctgagccg gagacacata attgcctcca 120
ccctcaacag cattagtctc atcactgaga ccataaatag taacaacgcg ctcttcgcac 180
ccgggcacag tctaccaat cctaattcta gccttagtgt ccaccctcag ttgcttaaca 240
atctcacctc ccctaccaat aacactgcc aatcttgcac ccgggcacac ataacgatac 300
acggtatcct ccgaatcaat cacaactgc tctctatcat caccatgatt cctcctttta 360
attggcccat tatcatg 377

<210> 5999
<211> 371
<212> DNA
<213> Glycine max
<400> 5999

ctaagagtg ctatttttac tgggactatc tactatctta agcgggactt ggcattctaa 60
atagatgttg gaaaggatat attcaccctc tacaagaggg agtctggtga gcattttcaa 120
aaggtaatct ttttggggaa ttttatcaca gaccacaact gtgatagcca ttattatgct 180
ttgagatgct acagttttga cgtcttagtt cctttgtccc acatacgttg gtttgtaaaa 240
tatgtgtctc attagtgtta tatatagaga cactcgcaag ctgtagatgt gcactaataa 300

tacagttttt aagtgtacca tggacgtagg ccactaatca cagaggctaa atggagattt 360
ttaatattgc t 371

<210> 6000
<211> 378
<212> DNA
<213> Glycine max

<400> 6000

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ttgagactga ggataattac actgtgtgcc ttttgcagta gtgctttctt atccccatca 120
gccatcatct tttcaagttt ggcttctcca tcaagtgtt ccaccaggcc ctgctgaaca 180
agaagagctc tcattctcaa tcgccataac ccaaaatcat tttgccctgt gaatttttca 240
acctcatact tggccgagtc catttcttga atcgaactca aaaatcgctc cacgctcacc 300
gcaccaattt gttgtgcaa gatcagattt tagttcacia aagaatgagt ttcttgatg 360
aacaagaata agcaaaat 378

<210> 6001
<211> 379
<212> DNA
<213> Glycine max

<400> 6001

tggtgaaatt gccatgtttg gatgagttag acatacccat tctgttttat ggtttttgtg 60
atgatgtttg tgatgtttat atgctgaaat tgcctatgga aaactgttag agatgaatgg 120
tagagttaac ctacggttag aaagtgagaa tgtgatgtta tgagtggaaa aagagtgagg 180
ctttgagggg tggaaaggta ggtctgaatt ctgtggtaaa tggagattaa ggtgagttaa 240
tactagcttg aaatgtcatt tatgacttat gagaaagctt ggactgtgct agagagaaaa 300
acaaatgacc aaagtgaacc aagagccatt tctagggcaa aattgggtgt tgaggagtca 360
aactttgatt cggtagaaa 379

<210> 6002
<211> 399
<212> DNA
<213> Glycine max

<400> 6002

agcttgccca gtctagctag gttgcttctt ccaaaacaac cgccttctgg aggaacatcc 60
tggaaggccc aagtgggcct gggttctatt tgcaccctt tttttactaa atacacccca 120
tttgcttttt tgggtgattct ttttccgtaa agatacggaa acttatgaat ttcgtaacga 180
tacttggtct cttttcgtaa tggttgaggaa cttacagat tacataatca tccctttttt 240
gccttccgaa acgttatgga actttacgga ttgtgcatta acacttcctt ttaattttcg 300
gcatgtcacg gaacttcacg gattgcgctc aacgcttttc ttttgtcttc cgcattgtctc 360
gaatcttcac aattgcctaa ccatgggtgc caatacctc 399

<210> 6003

<211> 337

<212> DNA

<213> Glycine max

<400> 6003

tgtatgtgaa aggatgtgac tttcacatt tgaatttgaa tttcaacatc caaaggcact 60
ggttatcgat taccaaaata ttgtaatcga ttacaacttt ttgaaattaa ttggatcggt 120
gataattcaa tttgaaaaag ttttcaaac aactttacta ctggtaatcg attacaacaa 180
tctggtaatc gattaccaga gagtaaaaac tctctggtaa acatgtattg agaataatca 240
tgtgctactc aattattgag acaaactctt catacttatt ttgattaagc cttttcttga 300
ttcttgaatc ctgatcttga ttcttgagat cttgaac 337

<210> 6004

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6004

agctntgccg atttagtttt catcggcgaa aggatcgaag tgggtttgag aagaggaaaa 60
tctgattatc ctgctttgat gaatgggaag cctatggcaa atggagagaa taagaatgag 120
ggaggaaccc atgctgtgac tatcgttctt atatggccaa atttcccacc agctcaacaa 180
tatcaatact cagccaatat cagcccttct cattaccac caccctatca gccagaaca 240
ctcaatcatc cataaaggcc acccctatat cagccacaaa gcctgcctgc tgacatccga 300

tccaaacacc acccttacac aaatanaaca ccaactagga ggaatttcta gaaataacct 360
aagaattacn ccattccatg tatatgctgc ttactcccta ttactcatat 410

<210> 6005
<211> 338
<212> DNA
<213> Glycine max

<400> 6005

tcgtgctcag atccctcttg gtggactagg cttaatttat acagccctcc taggtttaga 60
ctaacttaaa ctaagcttca tcctcagatc cctcttggtg gactagactt agcataaata 120
gcttacgaaa gttagacta atttagccta agctttgtcc tcagatccct cttgttggac 180
tagacttaga ccaaacaaca ttattgtaac aacacattta aaaccaaac ttaatccaca 240
gatccctctt gaagactaag tttcaattat gcttcattca agttctaagg aaacaatata 300
ttttccaatg ctaaaatcac ctaaccagac acacaaat 338

<210> 6006
<211> 351
<212> DNA
<213> Glycine max

<400> 6006

agcttgaacc tcacagacc aatatcaatt atcttctaca ggacttggtg tttccatgga 60
ggactgaacc accaacttgt ttgacaagat cctcacacca cgacttggtt ggagtcatat 120
gaaacgaaca cccacagtcc aagatctatt tgtctcagtg ttcttatgag acaccattaa 180
agcctcagct gaatcatatc catcttcaac tagagtagca tttccaggct ctttagatcg 240
atcttgctcg attcctttct gtctattacg acagaactct tcggtatggc ctggtctttt 300
acacgtggta catctaattg ttgtacatta catccatacc gagttggtga c 351

<210> 6007
<211> 403
<212> DNA
<213> Glycine max

<400> 6007

tcagcttgca cgccagagtg ctcttcggct ggccgattgc tgaatcataa tcatctgccg 60

gaataagtgg gcaccacccat tccataccat tatagagaat caaataatat atatatactc 120
agaatctcat taagtcattt ttattgatac gaactgtata taagtattaa caaatttatc 180
agacttccgc gccatacttg actaagttat aagataacct ataggatgct attactttgg 240
agataggaaa tccgatgctg aacttttagat gataaagaga taaactttct catattatcg 300
gttccgaaaa ttagcgcggt gagttttact aaatgacgac atcctagaac atatccattc 360
aagcacattg gtggaattat atcatagct gatataagca aat 403

<210> 6008
<211> 449
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6008

tgcacacaag caagtcccat ttgattaaga tcagtaccaa atattgcaga tttcttctcc 60
ccagtagcac gaagcttcga cacagcattc ttgaaagtat tgtaagattc agtgtagttc 120
tccaacacgt agtacatgac tcccatctga gtttcaatac cagctattgt gttttgctga 180
ccagaggctt cattaagtat ctctagtgcc ttgtgaagta acttaagtgc ctgttctagc 240
tcattcattg actcataaat ggctgagaca ttcataaaac cactagcaac ctctctgga 300
gggacccag gcatgggatt ctcatagatn ntaagtgcac tctcacaata tgattttgat 360
tcccttatct tccatgtcct gcaatacaag tcagcaaggc gtacaaagac tgatcccaca 420
gaaggatgat tctcaccttt gtgagtcct 449

<210> 6009
<211> 464
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6009

ccgattcgga tcgatgaatg aaatcctctc atgcaagtac aatattggag ctaaatcttc 60
ctcggaatga ttagtcgttt atgaattata agatgagaaa ataaaattat caaatgtaaa 120
aagttttacg taattattca attgtaagat tttatatata tttaaatttat taatttttaa 180
aataattatc ttaaaataat ttaaataata atttataatt aaataataat ataaaattat 240

tttattctgt tataataatt acacttaggg catcttgaca tatgcttcaa actttcaact 300
 cctaatttaa ttntgcttga actttaactg ccagccatac acgattctta gtacggctaa 360
 gggatatatt ctgtaccgcc aaaagcccaa accccccttg aattattgat tatntatttg 420
 cgccaatttt tgttggactt ttatgcaaga ttactgggtg agcc 464

<210> 6010
 <211> 302
 <212> DNA
 <213> Glycine max

<400> 6010

gcttgcttct acacttccac ttgccaatag tttataggac taaccgctg agatatcttt 60
 tgtttccctt tacaagatt taagggacta actgcctaag aattctttgt cttaacacat 120
 tggagggtag atcctttgtg gtacaagtag agggtagatc tacttgggtt gtaatactta 180
 gaacaagagc gggtagatct ctttgggagc agttcaagtg gagggtagat tcaattgggt 240
 gttcaaagag aacaaggag ggtacatccc ttatggattt ttgctttgaa aggaatttac 300
 aa 302

<210> 6011
 <211> 134
 <212> DNA
 <213> Glycine max

<400> 6011

tgccacccag ctgcccag cgagcagggt tgcttctctc ataagcaaca gccttctgga 60
 ggaatcttct ggagggccca agtgggctg gttgctattt gcaccccat tttactaag 120
 gacacccct gcct 134

<210> 6012
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6012

agcttttggc tcanaacgca ttgtttccaa catccaaggc tctggtaatc gattaccaga 60

agagaat ttt gaagcaaagg gtttaaaaag ggttttgaat ttgaat tttg agtcatgtaa 120
 tgcattacta gatgtttata atcgattacc agtaatgaca ctttagaaaa cactttggaa 180
 agacatgacc cttcaaaata taattgtgta attgattacc agaaatctgt aatcgattac 240
 cagtgaataa ttttagaaaa atctttttga aaagacacat ctcttcaaac cattttgaaa 300
 aggcacgaag ggcctatata tatgtgtgtc tgacttagaa aagcaagaga gagatattct 360
 aagagaacat aattgccaaa ttctctctca acaactcctg ggcaaacact tganaatcta 420
 ttgataattc at 432

<210> 6013
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6013

ngaagaggat gctntaatgg aggagaagaa agagagaagc atggagcacg aaattgaagg 60
 aataaaagag ggaaagaagt ggaactttga agtgtatctc ataagacttt cattcatcca 120
 aagttacaac aagtgttaca catgcttcta tttatagact aggtagcttc cttgagaagc 180
 tttcttaaga aaacttcctt gagaagcttc tttgagaaaa cttccttgag aagctagagt 240
 ttagctacac acacccatct aaaaactaag ctcacctcct tgagaagctt ccttgagagg 300
 ctagagctta gctacacacc cctataatag ctaagctcac ccccatgaca aaaaaacatg 360
 anaatacaaa aaaaatccta ctacaaagac tactcanaat gccctgaaat acaaggctaa 420
 aaccctatac tactagaatg gccaaaatac 450

<210> 6014
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6014

agctntaagg ctaagtcttc atgttgctca tggtgtttcc ctatctctaa cagtccatca 60
 tcaatcactt tcaagatccc ttggatttat aaaggtgcat aataatatca tggacccttc 120
 cttattataa catctctca tttttgtctc ttctctccc aacgccctta atggaagctc 180

taatgacgac tccaatgaca cctccaacat gagcaatccc caactgccac cgcacacttc 240
 tccttcctcc tccgtccaaa aacaaagtta acacaaaagc atagtgcacat tgctaaactc 300
 accaaaccaa caaatccaca atgcatgata acaaatagaa tatattaaat ttcaaaacgc 360
 atgaacacat gaagggtggg cattaatgga gtacaaagtt gttcacaata ccataaacca 420
 aatttatctg a 431

<210> 6015
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6015

ctcaagctgt cgtattaagg catacttcan aaagtgttg ttgtctctaa acaatttctt 60
 tttctttgta agggattaca tttgaagatg tattcattgg tgcattaaat gtgagcattt 120
 aatgcacatt ctctccatgt tgaaacgccca ctctcttttag ctgtcttgaa ccacacttca 180
 gcaaagggtca acatgttgtc gcttagaaca gttctaata caacaggtgt agaccacgtt 240
 gtttgagatg aagaaagatg ttgttctttt aagacttgaa tatectctta ctttcttgga 300
 cttcgaaaaa tcttagaaaa aaaatttcaa gacatttctca gcagaataga ttcagacac 360
 aaagcattaa tgaagtctta aatgcttata atagcttaac atttggtngc ttctttctaa 420
 tctttcaaac gcatatgcaa aacaacaatt c 451

<210> 6016
 <211> 433
 <212> DNA
 <213> Glycine max
 <400> 6016

agcttgccac ccagctcgtc ctggcgagca tggttgcttc ctccagaagc aacagccttc 60
 tggaggaatc ttctggaggg cccaagtggg cctgattgct atttgcaccc ccatttttta 120
 ctaaatacac ccctgcctt tttttggtga ttcttttttc gtaaagtac agaaacttac 180
 gaatttcgta acgatacttg ttttctttcc gtaatgttac ggaaccttgc ggattacata 240
 atcatccctt tttttgactt acggaatgtt atggaacctc actaattgtg caacgatgct 300
 tccatttgat ttccggtgtg tcacggaacc ttacggattg tgcataata ttttcttttg 360

atttccgcat gtccccggaat ttacaaattg cctaattgatg ggtgcccaagc acctcacaag 420
 gaccaaacaa aag 433

<210> 6017
 <211> 387
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6017

taactatgct agtataatta ttttgtgtca ttaatctttc tcctttttaa ctccattcgt 60
 gcaactagat atatgtgcga ttcaatcctt gttcaattaa tcttgcatata cataatttaa 120
 aagggttttt caagttgttt ctcaatataa ttactttgat aaatggttct aaatttatcc 180
 tatataaaga aagggtgtgaa aagtttgttt ttgaaaaaga gataaagatt ttgaaaatat 240
 atattcacct ccctctctaa atcaatctac atggatcaac atagttgcta tcgagttgtc 300
 aaactagaat cttgaanatt tgaagggtga gtggtacatc ctatttttcg taataaatta 360
 aaaagctttt tagtaaaaaa taaataa 387

<210> 6018
 <211> 416
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6018

agcttacaaa tatgtgctat atccaagccc ataagttata tcaaatacaca tctagataag 60
 ataagatagc ataagatcta attttataga ataaattagt ctgccctctt caagtccaag 120
 cccaattcta gattcaagcc caatgctaga ttcaagccca atgcttcatt aattcctgaa 180
 attagattaa aaacatcaaa ttggctgaat gggcccaaata aataaaaactg cctaattaat 240
 tgacaattaa gaccaatcaa taattaaaat ggtgcaaaaa gggtttagaa aatagaagat 300
 natgatggca catcaaaaacc cccatactt agccttttgc actcctgtgc gaaatgaaac 360
 atagaacaag aactaaatcc aaggatatca gagggagaca aacaaatata ttcaca 416

<210> 6019
 <211> 400

<212> DNA
<213> Glycine max

<400> 6019

tctgagtga acaatgcgac tattcactat tcaattagaa tttcaacgtt caaggacact 60
ggtaatcgat taccataaca ttgtgatcga ttacagcctt ttgaagatat ttggaacgac 120
gcacatttag ttgaaaact ttttcacact cattgtgcta ctggtaatct attacaacaa 180
tatggtaatc gattaccaga gagtaaaaac tctttggtaa acgctttgtc aaaaactcat 240
gtgctattca aggatatgaa aaaactttat aatacttate ttgaatgagt cttttcttca 300
ttcttgaatc ttgaggcttg agacttgaac ttgattcttg agatcttgag acctgatgct 360
tgagtctagg ctttcttctt gagtcttcga atctccttga 400

<210> 6020
<211> 355
<212> DNA
<213> Glycine max

<400> 6020

agcttgcaat gaaagatatt gtgtatgtag gagtctggtg tcaatctaga cacacaaacc 60
aaggccataa ttcaaaatag gtaagataga aatgatgata gtcattggca caaatattga 120
cttctgcaac tgctactaag cttgcaatca aagatattgt atatatagta atgaactttc 180
cattcagtaa cacaaatttg ttttatttgt acgcttaaat ctgctagatt gtctgttcaa 240
cttgaaatct caaatttcta tcttacatct tttatttggc aatatgtaac aaaagatgca 300
acacataagt ttactaaatg ttacatcaga gatgggcatt agttgtttat atatt 355

<210> 6021
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6021

gggttagagg tacttaccgc ttgaatactg aagacaacga tgaacgaacg atgaatcttg 60
aagaacggtc gagaatcttc gcgtaattac tcacggaaac gttacagaag cgcctcagct 120
tggttttct tcacggaact aattatctc aacaatttcg agagagagag aagtgcctaa 180

ggggctgaac ctttttcttc ttcacttctc ccctatttta tagcanaata ggggagaagc 240
 ttgccgceca gctcgcccag gcgagcaagg ttgcttctc cagaagcaac agccttctag 300
 aggaatcttc tggagggccc aagtgggctt ggttgctatt tgcacccctt ttttactaag 360
 tgcaccncc ttctattttt ntggtaatct ttttccgtaa cgttacgaaa ctttacgaat 420
 ttcgtaacga tacttat 437

<210> 6022
 <211> 354
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6022

agcttacagc tttgtcgagc tattctgcta ttgcacagat atgtatatct atatccaaac 60
 gcgatata ggaacatgaa atacaactta gcaggattaa ctttaagtata ataacatggt 120
 cttttacttt tatataatta gaaattattt tgtacatcga ttaataatta cttataaata 180
 cagataaaat atacaaaat atagatttga aaagcatttt aagaaaatac tagcttattt 240
 actaaacata tgtgagaaga tccataatta catgagaaga gtatttntca ctctcaagaa 300
 catgaagaga cggacttatt aaatagataa acaagtttta atatatctat gttg 354

<210> 6023
 <211> 375
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6023

ntacgaaac accattgtga gcgaggaggg aatgcaacat tattttggat ttggaacacg 60
 caattgtgac caccaacgag gcattntaaa ataccaggga tgcctgtttc gcatatactg 120
 ctggcgaaac cagcatggct catttcgcca ctactgctgg cggcaccctg ttgctcctgc 180
 cccctctgcg tgcctagact gcagcctcta cggccctaca ctggcctact gcaatgtatt 240
 gctagtttga ctggcgaaat aactgaggtt actttgcaag tgccagtggc gatttcactg 300
 ccacgtggcg cgtcgcatgc atgtttcgcc aacatgcatg gcgagttacg ttaaacacgg 360
 accctcgcgt aattt 375

<210> 6024
 <211> 436
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6024

 agcttcacaa tatttcagaa gtctaaacat gcactgttgc gtaatttata aagttttgta 60
 gcattccgga agtcaaaaca agcattgttg tgtaatctgt aaagtttcac aacattccga 120
 aaggaaaagc aagaatcggt acgtaatcca taaaccatag aacctgtaaa gtttcggcag 180
 gttttagaaa gaaatcggca gaataacaca aaagggggtg tatttagtaa aatgggggtg 240
 taaataacaa ttttcaaadc tgggcccttc tagaggattc tagacctttt ctttctcctt 300
 ggctaagcaa ccagcttgcc tgggcgagct gtgcggcaag cacctccacg ttntgntgaa 360
 naatggtttc tgggacttcc gtaatgcttc cgtaaaaattt ctgaaaaact tgggtacgca 420
 tgtttcactt aataat 436

<210> 6025
 <211> 246
 <212> DNA
 <213> Glycine max

 <400> 6025

 accattatcg actccctttt tgcacatggt ctgtagttgc atcctatcca gaaccatatt 60
 agaatagtag tgatactgcc taacgaaagc aaccattaag tccttccaag tatggactcg 120
 ggaagggttc aagctagtgt accaggtaac aactacccca gtaagacttt cttggaagaa 180
 atgtattagc agatcctcat ctttgcgat gccccatct tctgacaata catctttata 240
 tggttc 246

<210> 6026
 <211> 417
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6026

 agctntctaa tctataaata gaagcatgtg taatacttgg tgaactttga tgaatgaaag 60

tcttatgaga cacacttcaa agttccactt ctctccctct tttattcctt caatttcgtg 120
 ctcccacctt ctctctttct tttcctccat taaagcatcc tcttcaagct tcttatccat 180
 ggtacattct tgggtggtgaa gctccttctt ccatggctta ttccttagtg gatgggtgct 240
 cccctctccc attctccatt gccttccact gcctctccat ggtggaaaat caccattgaa 300
 ggacctcatt gaagctcana gatccagcct cgtagaagc tccacaagca tgcttncatc 360
 aaggctccct ccaccttggg aagggttgg ccttcaatcc gaggttcttc atactct 417

<210> 6027
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6027

agcttgaacc tcacagaccc aattccaatt atcttttaca ggacttggtg tttccatgga 60
 ggactgaacc accaacttgt ttgtcaagat cctcaaacca agacttggtt ggagtcatat 120
 gaaatgaaca cccagagtcc aagatctatt tgtctcagtg ttcttatgag acaccattaa 180
 agcctcagct gaatcataac catcttcaac tagagtagca tttccagggt ctttagatcg 240
 atcttgcttg tttcctttct gtctattagg acagaatctt cgagtatggc cttctctttt 300
 acagtggtaa catctaattg ttagtacatt agatccaaat cgagtttgtg acttggatct 360
 tttcccttct gtcttatcat ccttcttgta ttggcttcca cgaactagga gtcnntccc 420
 atgtagag 428

<210> 6028
 <211> 461
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6028

gactcttcgg ctggccgatt gctgaatcat aatcagctgc cggaataagt aggcaccacc 60
 attcaatacc attatagaga atcaaataat atatatatca tcagaataaa attaaatatt 120
 ttttattgat aggaattgta tatgagtatt aagaaattta taagacttcc gcaccatact 180
 taactaagtt ataagaaaac ctattggatg cttttttttt ggtgatagga aatctgatgt 240

tgaagtttag atgaaaaaaa gtaaaacttt ctcatattat cggctaggaa atttaatggt 300
 ttaaattgta ataatgacg acatacaaga acataaataa taaaaaacat tgcaaaaatt 360
 atatcatacg ctgagataat taaatntggt gagataacta atanaacata gattattcca 420
 aaatacacac attgctaaga atattatatg ctaatagaaa a 461

<210> 6029
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 6029

agcttcaatg tccctgttca catcttcaac ctctttatca agcttatctg acaaaatcct 60
 catgcagtca aggcatagaag gctgttcaac ctgtaaccac aaacagaaaa catagattat 120
 gacccaatca cctaaaaacc tatcaaatat attacataat acatatttac atgtttcctc 180
 catccacaaa cctgcatctg cgtcgtggca atctcaaatg ctcgagtcag gacagtaata 240
 gtagaattaa acccagagtt atgaggtggc aaatggccac cagaatcagc ccctgtgccc 300
 gacgaatgca ccgcgtttcc atcgggtccc gattcggact tgtacacaac caaaaacgac 360
 tcctccatgg ccttccttgg ctgtgcagca gcatcgccgc gt 402

<210> 6030
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6030

actaaccttc tgaacgggat catatattca ttggcataga ttaatgtatg aagatgtggt 60
 acgtgatatc ttttgggtgc accctgatgc agtgaagtta gtcaatgcat gtaatttggt 120
 gtttttcgta gacagtacct acaaaacaaa caagtacaga ctcccactac ttgattntgt 180
 tgggggtgaca ccaacaagga tgacattctc tactggtttt gcatatctgg agagtgaacg 240
 tcttaataat gtggtatggg ctttagtggt ggatcaagtg gcctcggaat aattaagaag 300
 ggggggttga attaattatt attgaaactt tactaattaa aaatctaccc ttcttaggct 360
 ttactatgt tgtaagaaa gttaagaaca gaaatattaa cttaaccaa ag 412

<210> 6031
 <211> 433
 <212> DNA
 <213> Glycine max

 <400> 6031

 agcttataag aacaaaattg ccttaatcat ttccaaatat gcatgtgaat taggacgcat 60
 caacaagaat caagccaagg ctattgtgca agcaatcaat ggggcaaaac acaccaaagt 120
 attataatga tggatggctc aaattctcac aaaggtaaaa tcatcacttt caaattgagc 180
 tttcaaaact atcatgacat gtagagaaga atcaaggatt tcaagtcaca aaatgtcaag 240
 aactttttatt tcgaacaat taccatttcc ttgaacatat cctataattc aaagaaaaac 300
 atgcaaagtc gtacgtgcac acaaaattga cccaaatat taaactgaaa atccgacgaa 360
 actaacaaca ttaacaaatt aacacaacta acaaatattc aaaaccaaca aaactagcaa 420
 aaccaaagaa cac 433

<210> 6032
 <211> 345
 <212> DNA
 <213> Glycine max

 <400> 6032

 agcttttcgtt ttcaattacg agcgactcga tatectacgg gactcaatcg gacatccgag 60
 tgaaaagtta ttgtcgtttg aatttactca gagcttccgt tttaaattac gagcgtctcg 120
 atattctacg ggacacaatc ggacattcga gtcaaaagtt attgtcgttt gaatttgctt 180
 agagcttttag ttctcatttt cgagcgtctt gatataattac agggctcgat cagacatccg 240
 agttaaagc tattgctggt agagttttct cagagcattt ggtttgaatt acgagcgcct 300
 cgatataccta cgggacacaa tcggacatcc gagataaatg tattg 345

<210> 6033
 <211> 379
 <212> DNA
 <213> Glycine max

 <400> 6033

 tgcatttgga attgcgaaag cccactcca tcattaggat tagtacctga catctcaaac 60
 aaacaaatca aacgtaacaa gacaattata gttgctgttt gaatctcacc cactcaagtg 120

tatcacacaa ttatggcttt tctctaataa aacactcttg ccttttacca ctctaattcc 180
 ccttgagttc ttatgtaatt caagagatta tggccacaac aaagaacaat tcaccaatat 240
 gtgtaaggta aggctagaga gacaaggaaa aggttaacca agataaaggc taacaatggt 300
 tttaggcaca aatgaaggag ataaaattca gaatttatga attcaagtaa caatccttca 360
 tgccaccaat atattacct 379

<210> 6034
 <211> 401
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6034

agcttataag aacaaaattg ccttaatcat ttccaaatat gcatgtgaat taggacgcat 60
 caacaagaat caagccaagg ctattgtgca agcaatcaat ggggcaaac acaccaaatg 120
 attataatga tggatggctc anattctcac aaaggtaaaa tcatcacttt caaattgagc 180
 tttcaaaact atcatgacat gtagagaaga atcaaggatt tcgggtcaca aaatgtcaag 240
 aacttttatt ttcaaaacaa ttaccatttt cttgaacata tcctataatt caaagaanaa 300
 catgcaaagt cgtacgtgca cagcaaattg acccanaata ttaaaactgaa natccgacga 360
 aactaacaac attaacaaat taacacaact aacaaattaa c 401

<210> 6035
 <211> 414
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6035

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 catccacaat gcgcgcataa acccaccatc cctgtgtgcc cacctccaac tgagctcagc 120
 tactcccacg tagcccatat cctcgtttct ctcaacaccg ggtccccatc aatcctccca 180
 agcnttccca acatcaaagt aataacaat tcaaacagca caaactatca cagccaagaa 240
 aacagaacaa aggcagaaaa ctctgccaaa acaccaacca aaaatcacag cttttccac 300
 tcaaagaccc cagtaacaat tccttcgatc caattcgtaa accgttggat cgactncaaa 360

attttactgg aagtctatag tgcataagcc tacattttga ccgtgggac tact 414

<210> 6036
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6036

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 agtggatctt aggtattcca cctttccatc aagcattaat gccttttttg gagcacatgc 120
 attaatatct gattaacatg tgttcatgct atttgtagaa aattgtatat cattgtacat 180
 tgtatcaata tttttctcaa gattctctag atacttttct caagacatca cgattgacaa 240
 gtcacaagta tacacaattt ataaaaaaaaa tgggtgaaagg catcggagga aaccgaanaa 300
 gttacctaata agatggacat tntatacagt cttcaggtct aggagttggt ggcactcgac 360
 aatataaaaa acctgttaat gtcaaagcat atgcagccac ttttcccaga agtagcaaaa 420
 catttgtag 429

<210> 6037
 <211> 401
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6037

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 ccaattcttc caactcttct tcaattcttg catcaatatt cctctgaagc actagaattc 120
 ttcttctttt gacttctgct aataaaaaat tgcacagatg ttaatctctt ccttatttcg 180
 ttctcaacaa tagtaaagtg aagaaatttc aatcattatt agtcgaaact gactatcaag 240
 ttaactcaga ttctgcagtt atcaactgct ccaaattaaa acatttgttt gtccctcatgc 300
 ataagacaag ttctgagtgt gccggcacat gagataacta tgaatccatt aaacatctgt 360
 ttgatctcgt gaggagcctg acgaatcaca tggagatgaa a 401

<210> 6038
 <211> 385

<212> DNA
<213> Glycine max

<400> 6038

agcttagaaa tgagaattat taatagttac ttatgggatac aatgaactgc gtgataaagt 60
gaacaacaaa gtttgatgcc caaaaacaca tgtatactta taactaaggt tgaaatagaa 120
tatgtgataa tgctaataaa ctttaaatga acgacaaaga cgcgtttatt ttattttgta 180
gcgtgatata ttttcttaat ttagacgtac cacagcagtg aattatttat atgctaaata 240
ccaatcgtat tgttaataag aataatcatg agaccgatag ttattagata ttaaccagcg 300
cgcccaacat ataagattca taaaatgtaa tagcatgtcc ctcaagagag cactgtagct 360
aacacctgaa gagctatacc tttcc 385

<210> 6039
<211> 360
<212> DNA
<213> Glycine max

<400> 6039

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tcagcaatat gattgtgtga aaataaatag ctgcatagcc agccattatg tttgcttaac 120
actagagtgt tttatatatg tagtagtaca ttagtactga actttgccat gtatgaacta 180
ttaatgaagc atatacatca gtataactac aacatatttt aattatagca tgctatgggt 240
aattacttca ttattgtttt ttttttatct atatcgaaga ggttacaaca attcagataa 300
cttacaaaac taattaagcg agattccctc agttattatt gtttatttca gcctaccttc 360

<210> 6040
<211> 156
<212> DNA
<213> Glycine max

<400> 6040

tatttgatgat tattgagatt tttagaagga gctaatagtg aatattcttc acctttattt 60
ttaaattaaa tagaagccaa aaacaattaa attaataatt atgttgaaac tcaactggaaa 120
ataattatta agtaaagata acccaactta aaactc 156

<210> 6041
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 6041

agctttgaga taattcaaac gacattaaat tttttcttgg atctccgatt gtgtcctgca 60
 gtatatcgac atgcttgaaa ttaaaagcag acgctatgag caaaatcaaa cgacaataat 120
 ttttaattcg gatgtccgat tgagtcgtgt aatatatcga gacgctcgaa actgaaaaca 180
 gaagctctgt gcaaattcaa acgacaataa ctttttactc ggatgttcga ttgtgtcccg 240
 tggatatatcg agacgctcgt aactgagaac atatgctcgt agcaaattca aatgacacat 300
 aactttaact cagatgccga ttgattcccg taatatatcg agacactcaa aa 352

<210> 6042
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 6042

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 attaagaact agtcatttc ttcctctatt gcccttaatt gaatacacct ttgtttgggtt 120
 ctctatttgg gtcttaaccc tctcatgcaa cttctttaca aactctgacc tagattcccc 180
 ttctttatgt ataaaagaag tgtcaagtgg gaggggaatg atgtctaagg gtgttaaggg 240
 attgaaccca tagacaacct caaaagggga ttgcttggtg gttctatgaa cccctctatt 300
 gaggcaaatt ctacatgagg aagatactca tccaagact tatgggtgcc ttttagaaga 360
 gcccttataa gagtggatga agacctattc acta 394

<210> 6043
 <211> 222
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6043

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 ggatggcctt gattttctca ggggtccactt ggacccatt tcttccaact acaaaacct 120

agaagactat attatctaca caaaaggtag acttctctat atttgcatag aggggtgtttt 180
tggtggatcg agtggcctca aaataattaa gaaggggggg gg 222

<210>	6044
<211>	353
<212>	DNA
<213>	Glycine max

tatgaactag atctgttaag atcgataact atattcaatt tataactatt attatTTTTac	60
atattTTTTta tttacttatt ttatacaaaa agcaactgat gtgaaactaa taagaactta	120
attatatgaa ttttaataaca taaaatacat cattaaatct tatacattaa ttgcattttt	180
gtaataaatt aaataataca ttaatggaag aaaagttgtt cgagcaaaag ttttaaatca	240
atcactcctt tcatattaaa gtttcaactc gtgtaggttt gggacaggta tatgtattgg	300
ttttatcgca tgaatgggaa tggatactat tatacccatc ctacacatgc cca	353

agctntgagc	caaaatcctg	actcaccata	taccttgacc	cagggtgaga	atgtcaatcc	60
ttaccctcgg	aagcaaagaa	aanaggagag	aaggaaaatt	tccaatcaaa	ggaaaaaagg	120
agaggaaagg	aaattcccaa	tcaaagagtg	ggagaaagca	aaaagaaaag	aaagaaaatt	180
ccaatcaaaa	gaatgggaga	aagaaaaaga	gaaggagaag	aaggaaggaa	agctcctgat	240
caaggatcga	aagaaaacag	aagatatgtg	cagaggggat	ctctggacca	gacaatatct	300
aaacaaatac	agaattgtca	ccaaatgaac	aaaagaaaga	anaggaaacc	ataacctaان	360
agtgggtcttc	tccttttg					378

<400> 6046

gcttagcgcg agtttggcgt tgagcgaata ttcacttact cgcgctaagc gcgacatcga 60
ggtaagtgag cccttttttaa gcctggaata gcagaaaaga aaggggcact gggagataga 120
aaagagagcg ctgaatagcc ataagagctt caagagtga atacacagag gcaaagaaca 180
gagcaaagaa gccaaactttt gatcttttag gaagagtttt gagtgattgt gagattccta 240
gaggtggagg agacatcccc actcctttgt aagcaagcaa tttctcttaa ttcctcttct 300
tcagtgtaaa aggagcttcc ttgctatgga aggctaaacc ctgagttggg gattcttgct 360
gagtaattga tgtaaaactct ntccctatct aattaagggt gttntatgca ttcattgttt 420
ctatcagtac tatatta 437

<210> 6047

<211> 546

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6047

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atattgtgga gcccttaata ccatgcccac aaataatgaa accttaatct aatatgtaca 120
aagattagcg ggctcactact taacccatgg gcctgaaatc taccctaagg ctcataagaa 180
ccctatggcc ttctcttgca tctctagccc aatcttcttg gagtcttcta tcaaattccc 240
ttgtggggta agaatgcac attccccccc ccccttgaaa aggatttgac ctcaaattccc 300
aagggtcttg aaactctggg cttttttcct caacacctgt aaaaagaaca aaaacatatg 360
tattagtggg gtttggtatg ttaaagtaan ggaaggctctg aaaaccatt tctgggcaa 420
tcttccatga aggaacatgg ntntcacca actcaatgag tggtgccaca gtatagaana 480
atatgggaca aaccttcttg taaaagttgt aagcatggaa gcccacatt tttctacact 540
ttgtgn 546

<210> 6048

<211> 387

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6048

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ttntgttttag agtacattga aaatgccaaa ccagataggc tttcggagtc tcgatatgat 120
gagtgggagg caaggggttg cgagggttac atgtttataac tttgggtcta aaggaattac 180
aacaagctta tttgtatata ctaaataata gtaatgaagt tctgtcatac atagttcatt 240
atgaagcttt tgttagggaa agtaaaccat aaatgaccaa gaatatgggtg ttgaaagaac 300
ataataagac tttcctaaat tggtttaaag atacaatctt tgggtggtgat aaattgggtt 360
aaagatacaa tcttttgcaa tgataat 387

<210> 6049

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6049

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cacagtgtac aagggaatgt taccagatgg aaccatagtt gcagttaaaa agtcaaaaaga 120
gattgaaagg aaccatagtt ntataatact agtacttaat taatgcacat gtacattaaa 180
gtctaattga ataacattat ttgaatagtc ttgttgcca tactgattag ttgtgttgta 240
ttatacatat tagctgggga ttccaatgct tttcgtcctt caaatcaact atctttttct 300
tctttgttcc cattattntt ttcttataaa atctaagaag aagaatattt tactttttaa 360
tactttcaag acatattgct tacagcagca acatacctac acaactgttg ttgggatcac 420
cattacgtgt tctgttgtgt ctt 443

<210> 6050

<211> 447

<212> DNA

<213> Glycine max

<400> 6050

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tttaactaat tgagttcgaa ttttgatata ataattattt taaagaaaaa aaatcgacta 120
taataatctt acatgactta agtagattta tttttaagaa aagatacatg taatctttac 180

tgtaaaaaata tataaataat gtattccagt caatttgatc agactaatta aaaaaaaaaa 240
agattttctga tcaaattata aattacaatc acgattagga tcataaaaaa ttatgtcacg 300
cgaagatatt cctattaatt tcatcctcag aaatatacat atgctgtaaa ggcaaaagaa 360
atacattatg gaaaagaatg aagcattatt ctaatgaaca taacaagaac aaagtaaaat 420
cttgcattaa tgatgatatt gattatg 447

<210> 6051
<211> 443
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6051

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aaaatttcag attactcaaa ctttatccaa aataggaaaa aacctcacga cacgcatagt 120
caaccaaact cctctttatc aagtaaagac caaataaaaa attcgcaata gtgataataa 180
taacaataac taatattaat atcaattaat aagataaata cattacatca ataaaagaaa 240
gaaagaaatc aagtagcaat agcgtgatga gctacttaac acgttctgaa ctanagcaga 300
anataaaaaat tattatttat acaaagaata acctcaaaa aaggaagatt tgagacatgg 360
caaaaaccag agaggaacaa cttgcatctt gaacctanag actcattctt ttcttcattt 420
cttcattctca aagcaagttc att 443

<210> 6052
<211> 418
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6052

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aatagtccaa aaggtgattg ttatctttta taaaattgac ttatatttat ttaaaaaaac 120
attgtttatc atcataaaaa taaaatttac taacttagat cttaaggagt ttataacaaa 180
taacgcacag tatttaacta actcacttaa attccttgat gttgaattta agtatagtcg 240
ataatataaa atttttagata acttttctat tactaataga tgttaaaata attaaataat 300

attgaattta atattatact taaattttat cttctttttt attaaaccat cttgtaataa 360
 ttatatattg tctttaaaaa agntactana ttaatcttat ttttatctac tcttatta 418

<210> 6053
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 6053

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 ccacaaatca aacatgaacc caccatcccc agttgccac ctgtgactga gtcacgtac 120
 tcctacgtag cccttatacct cgctcctctc agcaccgggt gccattaac cactccaagc 180
 ttccacaata tccaagcaat tcaattccaa ttaccatgaa ctaccctaaa ccaagaaaac 240
 agggcagagg cagaaaactc tgcccaaac acattcacac attacagctt tccttactca 300
 tatatcccag caacattctc ttcgcttcga atcggttaacc atagaatcaa cttgataatt 360
 atactggagg ttcctagtac ataagtctac atcttgacc 399

<210> 6054
 <211> 361
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6054

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 tgtgaagcta tgtatgccca aaataaataa tggaaaggaa ttcatgaaat tggtaaata 120
 ttacttgcaa tttgatatta ctgacaagcc aattgtggag aatttatcaa gtgagctaac 180
 aaacttggtc ttaaccaatt catgatcatc tgacatagat ggtaaatctg gaagcaaagt 240
 tgaattccat ggagatggaa gtgagtgagt tctttctagt acaatttatt ttgaattctc 300
 ttccaactga atttgcccaa tttcaagtga aatataacac tcttatggaa aaatggaatt 360
 t 361

<210> 6055
 <211> 479
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6055

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aaaccttgaa aacttggtgct attcattctt ttcattctct ctccttttgc caaaaagaat 120
tcgccaagga ctaaccttct gaattctttt tgtgtctctc ttctcccttt tctaaaagaa 180
caaaggacta accgcctgaa ttattttgtg tctcccttct ccttgtcaa agaattcaaa 240
atgacacagt ctgataattc ttttgattct tctttttccc atatacaaaa gacttcaaag 300
gactaaccgc ctgagaattc ttttgatcc ccattcacia agtatcaaag gtttaaccgc 360
ctgagatctt tgtcttaaca cattggaggg tacatccttt gtggtacaag tagagggtac 420
atctacttgg gtttgactga gaacaagaaa ggttacatct cttgtggatc agttctagt 479

<210> 6056

<211> 404

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6056

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tgaaatacag agacctcccc tatctggcgc gtcagacctt gctgtaaac caaatcata 120
gtcgccctgg acaacctaac caaagaaatc cggacccac ttgtctaggc ttgggggcct 180
tgacagcttg aaaaaactcc aaatctcaca cctgtcaatc ttaccactct taacactgga 240
caataatfff ccatgcttgg gggctcgaca aactcacgac cctnctactt gtcaaggcta 300
ctacctcgga catcagacaa tctccattgt gcactatcta ggtccacaa aatacatgtg 360
tcaaaaaata cacgtgtcaa gctatgtgga ttatgagcac acat 404

<210> 6057

<211> 113

<212> DNA

<213> Glycine max

<400> 6057

tcatacaact catatgcgtc cgcttcatag agtgaatac taaatctatg aacaatcgcc 60

[illegible]

<400> 6058

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<210>      6059
<211>      367
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      6059
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<210>      6060
<211>      413
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
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<400> 6060

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ttttaaaatt tagaaaacaa cattaaaccc aacaaataaa aaaaaataat catatgttca 120

tatataatta tttttaaaaa aaatatataa atgatagtta agataaacat gacaataaag 180

caccacgaga ttgtatgta tttcttattc ttgttccta acatcgtctc catcatcccg 240

tcccttattc tagacgacga tactaaacaa atatcgaaaa gaaaaaatga atattaataa 300

caataatagt taccatagat acttataaag tataattgta attgtgtaga acttattaga 360

tgagaaccaa aactaatatg attgaaatat ataatatatg ttataaaata aca 413

<210> 6061

<211> 391

<212> DNA

<213> Glycine max

<400> 6061

cgtatgggta aagtctcatg aatgtcacgt gtcacatgta caattgttag gcgtggctat 60

acgagacatc ttgcccaaca tagtcatgat aacgataact cgcctatgct ttctcttaca 120

tgctatatgt agcaaagcca ttgatccaat aatgtttgat gagttggaaa atgacgccga 180

aattatactg tgccagtcgg agatgtatct tccccctggg ttctttgacg tcatgatcca 240

cttgattgtg catctagtta gagaaatcaa ctgttgccga cctgtttatc tatggcggat 300

gtaccactt gagcgatata tgaagatctt attagggtgt acaaagaatc tatatcgtcc 360

acaagcatct attgttgaga ggtacattgc a 391

<210> 6062

<211> 328

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6062

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anattggatc atcaaataa taaagatttg gcatgcatgt ttactctttc attntacttc 120

tttcaaggct ttgtatagga atgtgaaaag cacgtgatgt ccaacttgaa ttgaacaatg 180

ctgcaatctg tcaatttttag attaatttca tatgttttgt tgtagttgtg tagtgtctta 240

tcatggtgct ttaatgcttt ataggctaaa caatgaacaa gtaatgggtt atcaaaaaga 300
gacttgtggg ttgacaattg gagaaact 328

<210> 6063
<211> 350
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6063

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aataaaatga tctcttacc ctctctagat cttctctaaa ttccttacgg catcagaatc 120
tattctagat ccaataaaaa aggtaacctt ccatattatc catgcactga acccaaaagt 180
gatgggcatg acgggtgtat tgtgaaaaac ccaagtccta tatcggttag agatagtgcc 240
aagatagaaa gtataagggg cagacaacct ttgccctatg atctaacttt taagggttaag 300
ttagaccaca accttgtgaa ctatattgtt gcagatgatt gcagatcatt 350

<210> 6064
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6064

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cgcaagaagt gaaggacaac gcctccaagg agaacaaggc gccgctcatc gacgtcacgc 120
agttcgggta ctttaagggt ctcggaaagg gcgttttgcc gcagaaccag cccgttgtgg 180
tcaaggccaa gcttatttcc aagatcgctg agaagaagat caaagaggct ggcggcgccg 240
ttgttctcac cgcttgaatt tgacgggtatc acttttttga acgatttang ttttgttctg 300
atagcttttg ttttggatta tgttgntgnt tagtctctgc tatatttcan gagtaaattg 360
aaggtttatt attttaattt gcgcgaataa ctatgccagc ctgatgacat tagaatcta 419

<210> 6065
<211> 342
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6065

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agtatgacag tcaccgcttt aggagcgctg tacaccagca gcgcttcgag gccatcaagg 120
gatggtcgct tctccgggag cgacgcgtcc agctcatgga cgacgagtat actgatttcc 180
acgaggaaat aaggcgtcga cgggtggacat cactgggttac tcccatggcc aagttcgata 240
cagaaatagt ccttgagttt tatgccaatg cttggccaac agaggagggc gtgcgtgaca 300
tgagatcctg ggtaaggggt cagtggatcc ccgttgatgc cg 342

<210> 6066
<211> 489
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6066

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cgtcagccac tacattggct gtgccgggggt ggcaactaag ctcaaaatca taatctttaa 120
gaaactctaa ccattctctt tgacgcatgt tcagctcttt ctgactaaac aagtacttaa 180
ggctcttatg atcactaaac acctcaaact tggagccaaa caggtaatgc ctccacatct 240
taagggcaaa aactacagca gctaactcca agtcgtgagt gggataattc ctctcatgag 300
tcttttagttg tctagaagca taggtatta cttggccatt atgcatcaac actcctccta 360
taccatctt tgatgcatca caatacacct canatggttc cctcgggtta ggaaaaacta 420
gcactagagc ggtcgtcaat ctttccttaa gggtcgtgaa actatgctca cactaggtgt 480
cccacccat 489

<210> 6067
<211> 203
<212> DNA
<213> Glycine max

<400> 6067

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atgaccaagt gaatgtgcaa attgcaaaga agaatgatag ctatgccttg cagcccaaa 120

agaaaaggaa ggaagtggta cttgaacccg gagatgatct tggacatttg aggacaaatg 180
ttttccaaga aggagggaat gat 203

<210> 6068
<211> 298
<212> DNA
<213> Glycine max

<400> 6068

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gaatttgctc acagcttctg tattcaattg ttagtgtctc aatatgttac gggacttaat 120
cggacatcgg agctaaaagt tattgtcgat ggcattggct acgagcttac attgtcaatt 180
acgagcgtct cgatatatta cgggactcaa tccacctcc gaggtaaaag ttattagtcg 240
ttgcattcct ctacgagctt gcgttttcca ttacgagcgt cttgatatat tactggac 298

<210> 6069
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6069

agcttgcttc tacagtaagt gttgatagtc aattagcact tagtcttagg aaaaaggtaa 60
ctgtgtttta aaatttgcag atacgaaaaa ccaacttgca gacatcttca caaaaccact 120
aaccaaagat tctttctaca ccattagaag ataattagga cttctagatg caagtgactt 180
agacaaatga tttatgtttt gatgacttat ttgttattta tgcacatatg cttctattat 240
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attattatat tttttttaac ccttgatatt ggctatgtn ttatgacatt tgaataactta 360
gtatttcttt tattatttga ttagtatgac tggacatgat gattatattt acttgctttt 420
gggtgttatg gtatgaagtt taaacttatt tt 452

<210> 6070
<211> 487
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6070

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gggtcatatc accaagagct ccaccattga cagcatcaat catactctc tccatgttgc 180
taagtccctc atagaaatat tgaagaagga gttgctcaga aatctggtgg tgaggacagc 240
ttgcacacaa tttcttgaat cttccacaat actcatacaa gctctctcca ctaagttgcc 300
tgatgcctga aatgtctttt ttgatggcag tggctcctaga tgtagggaag aatttctcca 360
agaacacctt ctttaaggtca tcccagctga naatggacct gngagcaagg tagtatatcc 420
aatcttttgt cacttccttc aaagaatgan gaacagcctt tagaaagata tgatcttctt 480
ggacatc 487

<210> 6071
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6071

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gattttattt tatccatctt atcttatctt gtccagattt tattttattt cgtttatggg 180
cttggactta aaatagattt gtaagctttg tggctaagaa cctcatccat acatttttta 240
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atgattttgt ttatcaatta tttttggatt tgtacattac ttatatgaaa ttttataagt 360
ttattttttt agtttagattt cactagggtt taaaataata aattaattaa aggcgtcttt 420
aaacaaactt ttaaat 436

<210> 6072
<211> 434
<212> DNA
<213> Glycine max

<400> 6072

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 ctgctaaagg attgcttgta actagcatgc actgggtgcat gtgcgcatca tatgctttgg 120
 tttggtctgt gaaatgaaat tatggatgag ccatgttggt tctctgggtt aggaagtgtc 180
 aaatgaaatt tgctagtagt tgtctgctca ggtgttgagg cttttatgca ggctttggag 240
 caatttctgc tagcaatttc ctttgcattc atacaatttt catgacagta aggaactatt 300
 gatatggact aggaccactg ttaaacttta tagcagtttg tagagtttga aaaataatca 360
 catgatttaa tgtcctgttt cttctctttc tcttataaac ttattataaa tttacacatt 420
 gttttggagc tgga 434

<210> 6073
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6073

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 tttaaaatag gtcgtgggta aatatgtttt gcatgtaatg aactaacgtt gaagttgggt 180
 cagagtgaga ggaatagtca aataaggagg ccgagtattg gagtgtgaat tcagtgcatt 240
 gagagagaaa agattaaccc tatgatagtt tgcagcgaaa gaaaaatgaa agagtgaat 300
 aaacaatata atgatcgatg agatttatat tttacattt ttttttagtt canaactttt 360
 atctcaattt agtttcattt ttttcattc catctcactg 400

<210> 6074
 <211> 487
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6074

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 acttctgtta ttattattcc agcctgtcta aaatgcaaca gccctacttt atttataggc 180

agctacccga caactaagaa ataacagtag ctgactaact aactgacatc cttttctttt 240
 acatatcagt ctcttttcgc ttataacagc tcatcatgga gctgatttca gtaaataata 300
 caagcagttt tctggaattt aatcgctagt tcttaacttc atttatgggc cttttcatca 360
 atatttgcag aaattggctt caaaggatct ctcaagaatg gctgagccaa taaaggagct 420
 agatattctg gtgagtcagg ttcatttcat tagcttgggt cttatanttt agntcttgggt 480
 tttctaa 487

<210> 6075
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 6075

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 caaaacatta ttgtcgtttg aattagctca gagcttcaga attcaatttc gatcgtctcg 120
 atatattacg ggtctcaatc agacatctga gtaaaaaagt tattatcggt cgaatttgct 180
 gagagcttca acattcaatt tcgagcgtct cgatgtttta tgggacttaa tcagacatcc 240
 gagtaaaaag ttattgccgt ttgaatttgc tgagagcttc aacattcaat ttcgagcatc 300
 tcgatatatt acgggactca atcagacatc cgagtaaaaa gttatcgctg tttgaatttg 360
 tcagagcttc aacattcatt tggagcgata catatatacg gact 404

<210> 6076
 <211> 310
 <212> DNA
 <213> Glycine max

<400> 6076

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 cagagaaaaa tgctagccct attcggcaat gaaagatgac cgatcgaggt ctaaaaaaga 180
 agcatgaccg gattacgccg atcgaacatt ctctaataga tctctgcaa gtattattca 240
 gggattgaat ggagaaaaca gtagccggca tctgtagtaa acaggcgtga ctgatatttt 300
 tcagccaaca 310

<210> 6077
 <211> 403
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6077

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 tttttcatta tagtaattat agcattaaac atttttgtgt tatttataat agaattgtac 120
 actcaaagta aaagtgattc tatctatcta tccatccatt tatatataat ctgattttga 180
 aaaataacac tttctaagac gtttctttta aaaaacgttt atgaaagtga acttttctaag 240
 atggttcttc agaaaaccgt tttagaaagt ctactttcta agataatttt ttcagaagta 300
 cactntataa gacgtttctt tagaaaatca tgtttcagaa aactgtctta gaaagtagag 360
 tttctaagat ggttntttca taaaactatc ttagtaagac tac 403

<210> 6078
 <211> 335
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6078

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 ttgtcctttn tcatagaagg gcactttatt ccttggtttg acttgttttc tacatttcac 120
 ttgatactac aggtagtatt gatatcttcg ctggccatgg ttatgtcatt tgtaataaat 180
 gaactgatgt atattgatat tctcagcagc aacttatagc ccttggaaca ttcgtgatct 240
 ctaaccagaa ttcagaaata aaaatgatta tattctactt taaaatgtgc taactgtctt 300
 ctgtttgaag tatggntnta tttctgactc tctca 335

<210> 6079
 <211> 386
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6079

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aacaaacttt taacccccctt ctaaatagata ggctcagaat gcaaaaaaag aagcatcaat 120
 caatttaaca atgttcttta aacatgcaag acaaaattga ttgtaataac ataaatgaga 180
 taagggaaga gagaaatgca aaatcgattt atactggttc gaccacttcc cgtgcctaca 240
 tccagtcttg aagcaacca cttgagattt tccactatct ctgtaaattcc tttatagact 300
 ttgaacacac cttgggatcc ctcacccttg tgttgaaaga ttctccaaga gacaaccgt 360
 ctcttgatta caattgtcat aatcca 386

<210> 6080
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 6080

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 ctgcgttaag cccaacatct tcaactataag ttgcacctta agtagtgggc ttagtgtgga 120
 tgatgcacta agcgtcactt cctctctgtg aaaatttatt atagctacac taagcgcgcc 180
 atcctgcgct aaacccaga ttcattctgt aagttgagct ttcaagctgg gcttagtggg 240
 aaaggatgca ctaagcacca acatcattat gttttgaaat cattaaaagt gcgcttagcg 300
 caggtagtgg cgctaagcct gaatcactct ctataagttg aagcctgggt gcacgctaag 360
 ccaaactttg taggctaagc gcattttgca ggaccaatca gagctactat catc 414

<210> 6081
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 6081

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 atgggataat ttcttcattt ggctttgatg aaaaccccat ggatcaatgc atataccaca 120
 aggttagtgg gagtaaaata tgctttcttg gtttatatgt agatgatatt ttacttgcag 180
 ccaatgatcg gggtttgcta catgaggatg aacaatttct ctctaagaat tttgacatga 240
 aggatatggg tgatgcatct tatgtcatcg gcattaagat tcatagagat agatctcgag 300
 gtattttggg tctatcacag gaaacctata ttaacaaaat tctagagaga tttcggatga 360

361

<400> 6082

<400> 6083

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<223>      unsure at all n locations
<400>      6084
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ctgaaatgcg aagggccaca ggtgctagta ttcgcatttt ttcaaaggaa cagattaaat 120
acatttccca aaatgaagaa gttgtacagg taactttcag tgtaccttga gaaagagcaa 180

gctatgtttt ttcattggct tatccaaact ttgtatccta ctattcagct ctagtttcaa 240
tcctaggatt atgaatatgc attatgaatt ntgtaaaatt ttacaatttg tgatttttac 300

<210> 6085
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6085

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atatgtccaa agtatacttt ctttgcgaca aatggattcc cttagaggaa cgcgcgattt 120
ccaggccaag gaagtacttt aagtttccaa gatccttgat cctaaaagct tgatcaagca 180
atgtgagcat ctctgtatt tcagtgttgc tgttgctgt taaaataatg tcgtccacat 240
atactaagag tatcgtggtg actgaaccat taaagcggag aanaaggga tggtctgagt 300
gagactgttg gaacccatgc attggttaga taccgatag cttcacgaac cattgac 357

<210> 6086
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6086

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aagtcctgc aaaaatatct gagttcattt ggtttttggg aaagtccttc attgtttttc 120
attctcaaat gttttcaaaa gaaatccttt tgttgtcttc tgatccaaaa ataagtttca 180
aaaatactag ttgttgattt tttccaaagg atgttacatt caagacaaaa aaaatttaag 240
tcccaaaaag agttataatc tataactata ctaatagaat ataaaagcac gcacaaatta 300
gtcaaaataa actcgtgtaa gtttttcaaa aaattcaaaa caagntcaaa tcatgggttga 360
agagctcaat ctcttgacg atcat 385

<210> 6087
<211> 533
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6087

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taangataca ttnaattaat atatgaacat tgactccctt attcatacat atgcgagggg 120
cagaggggtga tacangtctg cttaatctta attgactcca cacaagtctt aagggtcttct 180
acatctggag cattgaatac ctcatgtctt gctaaccatt taatcctctc aatggagata 240
tgctctaate ttagatgacg ctcatagagg aagtctcatt aataatacac cgtttacact 300
agttcgaacg tgcgttacac tattaaaggg cttactttgg taaccactag tagacgagcc 360
gtgatacatt gatccacttc cagcacactt cgatcttcaa tattacaagt gactctcaag 420
ctgtgtcttt agaattggaag gacatccata tggaacatac tggaataaca agagaggtca 480
agaacacttg gcacataata agtcgttcta atatgagata gagtattatt taa 533

<210> 6088
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6088

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gtgaagaaga atgtggcatt tacctgnggt gaaaaacaag agcaagcctt tgctttgctc 120
aaagaaaagc ttactaaggc acctgttcta gctcttctg acttttctaa aacttttgag 180
ctagaatgtg atgcctctgg agtgggagtt ggagctgtat tgttacaagg tgggcaccct 240
attgcttatt ttagtgaaaa acttcatagt gccaccctca actacccac ctatgataaa 300
gagctttatg ccttaataag agccctccaa acttggaac attatcctct gttcaaagaa 360
tttgtcattc atagtgatca tcaatcac 388

<210> 6089
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6089

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aagttgaact ttgagttgtg tctcacaaga ctctcattca tcaaagttac aacaagtgtt 120
acacatgctt ctatttatag actaggtagc ttccttgaga agctttcttg agaaaacttc 180
cttgagaagc ttctttgaga aaacttcctt gagaagctag agcttagcta cacacacccc 240
tctcataact aagctcacct ccttgagaag ctctcctaag aagattccta aagaagctag 300
agcttagcta cacatacctc tctaatagct aagctcacct ccttgagatg agaagctaga 360
acttagctgc acacccccta taatagctaa gctcaccccc atgacacana aaacatgaaa 420
taccaaaaa 429

<210> 6090
<211> 452
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6090

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atttttaatt ctttgaccct ttgaatgacc aaattggctt tcgatgtctt catgagactt 120
gtagagaatt ttatccttta cattcaagca ctggtatcat gttatttga ccattacaac 180
ataatcaatc cttaaagcat tgcagttttg ttatattgtg aggacaaact gacatctcta 240
tcttcatggt cagtttcttc caagatccaa gccttatttg cccatgactt ctccataaaa 300
gatatatata tctttctctt agctttctac aaccactgag atcatcccaa attcactttt 360
gtagctcaag tagttttcaa attattgcac acatatgaaa ctgtcaaggc aaaccagcgt 420
ctttaacttc aggctcagtt ntgtccatga tc 452

<210> 6091
<211> 416
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6091

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aaaagaactt aatggctgag tgtaattgaa attgtggcaa ccaaaagtca cccccaacag 120
ccatcaagtc agccaccatt tgggtctcta aaaggcttat gcctaggttg ccaattaggc 180

ccttattaca acttgaacta aaccaaacta aagccctttt agttgattga cccaaaacat 240
 atttttgatc agccaacttt acaaggattg ggccattatt tagaanaact aaacactcta 300
 aaattgagac aaagtgggtgc catttagtcc tcctccattt gggccatgat acaactcaca 360
 accttggact nttctccttg aaacttgngc ttgtattcaa atagtatgga caacac 416

<210> 6092
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6092

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 atattaccct gtccggattc tttaaactat acttggatgg tagagaagtt tattcgctga 120
 tacctaataga tttttttcat gtgggtgggtg attgcagcct gtcgagcttt ataccaaacg 180
 tgggtcttctg ggtcgaataa aagaacctgt tgggtacacat ggtatgttgg ttgttagaaa 240
 cctttgccat caattttact aattaacatt ctgacagcta gttatttttag ggagaaaaca 300
 gattatatgt tgcttgggtca aagatttaca tgtgcattcc atgattctta tagtgacca 360
 ttggtttgag ctgttttctg caatttcctg cttgttttgc tatcaatgtt caaatatgtg 420
 tggngtatat gatattctga tcatattcta tttta 454

<210> 6093
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6093

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 aaagataacc tacgacgtcc cctcctccca cactgtcctc tgccactcaa acattgcacc 120
 acaaggtcac aatcacgtgt ctttgcctt cttcagaaag aatataatgt tcatttttaa 180
 catttcttac atattattta tttttgctca gaacattntt taaacatgag aatactttcc 240
 tttttagtgt acattcagat aataattata atatatgaaa gagcagcagg ctagatctag 300
 aacaacgtgc acacattcct cgggtccagca catagcatat ttcagtgttt ccactgtcca 360

gccggagacg aatcatgtga cttaacaaac atccaaagta gagaagtgtc tatagcaatt 420
aataatgtgc aaccgactca gtgtggatca acaatatcaa tct 463

<210> 6094
<211> 421
<212> DNA
<213> Glycine max

<400> 6094

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aaaatatgta tctaaaatat ttaaataaac tcaacatgaa gcaactaaga caaaaagtta 120
taaatatctg caaaatgtta tcaaacttaa aatttgacga cctttaagac taaattataa 180
aaaaaaaaat tagtattgat gaatagaaac aaaattagaa gttgaagacc aatcaattaa 240
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aacaaaggcc atcacaaagc ctttcattgc ttgaatgaaa ttaattattg atgcaaacat 360
tatagcaaac ataagatcca tactatgcct acaatgatcg aaaaaaaaaag agtaacaatt 420
g 421

<210> 6095
<211> 486
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6095

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acctccaact gagctcacgt actcccacgt agcccatatt ctgattctc tcaacaccgg 180
gtccccataa atcctcccaa gcttcacaa catccaagct aaacaacatt caaccgcac 240
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aacacagcta attccactta aagaccccag taacaattcc ttcgttccaa tatgttaacc 360
ggtggatcga ctgaaaatt ctactggaag tctctagtag ttaagcctac attttgaccg 420
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<210> 6096
 <211> 372
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6096

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 tcgatataatt atctccccga atcggacatc tgtgttaaaa gttatgacca ttttaatttc 180
 tcgaatgctt ccgtttttca atttcgagca tctcgatata ttatgtccag aaatcaaaca 240
 tcagtgtgaa aagttatgac cattcgaatt tctcgatagc ttccgctggt caatttcgag 300
 cgtcttgata tattatgtcc ccgaatcgga catctgtgtg aaaagttatg accattcgaa 360
 tntcttgaga gc 372

<210> 6097
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6097

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 gaaggcaaag tcttagtgca tgaaaaagat atcaaggaaa ggtggaaggc gtatttccac 180
 aacttattta atgatggata tggatatgac tctagcagtc tagacacaag agaagaggac 240
 cggaactata agtactatcg tcggattcag aaacaggaag taaaggaagc gttgaaaaga 300
 atgagtaatg gtaaggcggg ggggccagac aacataccta ttgaagtgtg gaaaactctt 360
 ggagatagag gtcttgagtg gctcaccgaa ctctctaacg aaattatg 408

<210> 6098
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 6098

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gtgtaggcca ctcttttgtt ttttatgtgt gattcttgac tttgcggcaa aaattgaagt 180
tgcagactgt tttttagaaa cttgtgtcta aaattttagt tgataattag gttggttatt 240
actctgttac ttgttgcaat tgaggtagtt tacatgcaaa gaaatgaatg tgttgatata 300
gtgatgtttc ttttaaaacc taatgaaatg gaaatttatt ggcattgtnt ttattactct 360
acttttattg gctgctgcat gtttatct 388

<210> 6099
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6099

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ataagcattg ttcataatct ctagcgcttg aaaagatgtt tccaatgact cttctgtagc 180
ttccacatag ggtgtagagc atggacaact cactagtata tcttcttccc cagacactat 240
aatcagctat ccttccacca cgaactttta tttctgatgc agcggtgacg ggaccacccc 300
aacagaatgg atccaaggcc gacctagcag gtaattgtag gcgagggtta tatccattac 360
atggaaggtt atctgacacg tatgtggccc aatttgaatc gggagatcga tctctnctct 420
cacgtcacag 430

<210> 6100
<211> 368
<212> DNA
<213> Glycine max

<400> 6100

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gctcgagcgt tctacataag ggcattact ctgcacagag agaataggga ccacaaatat 120

cttcagggaa gtataccttg ctagtgtegc cttgtgctta gagctgactt tcagcgtaca 180
 attcgaatac aacgttaaca acatagggtca aaaggaataa agaatgtcaa gacaagacaa 240
 tgtaagactt tcctcttgtg cactattgca caaattgctt actaaaccat atatggacgt 300
 tactttatga tgattacttt cagtacttga ggattgagta actcttgcta aacttgtagc 360
 ttaagcat 368

<210> 6101
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 6101

agcttataga attacttgaa attcaatttc tgatcatact taaaaatgat tccttagcac 60
 aagcactacg taatttttta tcatactgct aattctatct gaagcatttc tttctatgtg 120
 agacgatgcc gcaagcagag ctggaaatga ggtaagactt tctagagata gccttcctaa 180
 ctaaattcttt tgatgggatc ttcttttagct gaacctgagt tcgattaaag ttggcctgca 240
 cctaagaata accatttttg acctctccca ttgttcgagc tacttcgtaa cctctccttc 300
 aaggatagaa gctagaagca gatagcagcc atatggatag gtattcaatc gcttgcttta 360
 aaaggtatga 370

<210> 6102
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6102

tgctgtccg atgcagcagt aatgattgcc cgagttatgt tggggaacgg ttacgaaccc 60
 ggaatggggt taggcaaaga caacggcggc ataactagct tgataaatgc caaaggaaat 120
 cgtgggaggt atggtttagg ctataagccc actcangaag atgtaaagag aagcatcgcg 180
 ggaaggaaga gcggtggtca aagctcgcg ttgagacaag aaagtgaagg aagccccccc 240
 tgccacataa gtagaagctt tataagcgcg ggtctgggag acgaaggtca agtggctcgcg 300
 atatatgaag atgatgttcc gagtacattg gatttggtag gaccatgccc ttctgatttc 360
 cagctgggaa attggcgagt ggaggaacgc cccggcattt acgcaacgag cataatgtan 420

acctttacgg ttntaaagct cta

443

<210> 6103
<211> 393
<212> DNA
<213> Glycine max

<400> 6103

tgccagctta aagctcatgt catgcatctt cttaatctcc aacaaaaaga tagggctata 60
tatgaatagt aatggaagat cagactacac actacagaaa agaagaagat tgaatcatga 120
tagttagtcg aagaggatgt tgccaagggt ctacaagtcc tagttgacct tgagcaatct 180
agcactaaag aaaatgaaca agaactgaat gcatccattc ctaatattgc tgccaaggca 240
ccaatctagg agtccactta tgcaaagcag tctcaagaag tcacctctgt ccaacaagag 300
gtcattgtat actccagcaa tccaaaagat gttcttccaa tcaactaccg tgctcccagt 360
gcgatcactg aggaacacat tcaagagatg atg 393

<210> 6104
<211> 413
<212> DNA
<213> Glycine max

<400> 6104

tctcccacga gggctttgat gttgtctcct tcaacacatg ttttatctta agagcaaggg 60
ctaactgaat cgtgctcata atccttcttt ggatcttagt ccactcggtc tcatttatag 120
aaaccaacct ttcattcttct aatgtctgat caagacctaa ctgcatcaaa atgtattgaa 180
tagtactctg tcaaatcata aaatttattt ttccatcaaa caatgggtatc tcgaaccttt 240
gtgtgctctc gatcatagct ttgataccac tgttgggtaa tcaacgctct cacaacaaaa 300
aattactcac acccacaag gaccgtgaga acacaataaa gattacacca tatgaaaaat 360
aataacaaac acaagaacat aacatgggtc ggcacctctt gcctatgtcc aca 413

<210> 6105
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 6105

atatgtacat tactactatt ttatacctta tcaaagggat aaatgggagt tatttatgtt 60

gtaggagtat cagaacaatc tgtttctgca gtgtggcaag cagaatgatg gtaatgcctt 120

gtaaaattaa aattatatgc ctttgggtat ttaagggagt ttcttctagg tggtgcaatg 180

aagcctacta cacatggcca gtgggctcat ttagcttgtg ccatgtggat acctagtttg 240

gttgtgtatg actttattca ctcttntta cccagtttg ntatttttac caagtgtcaa 300

gatcatggac atgacaggtat tagtagcatt cttacacat aaggggaggg caaacattc 360

ttaacangat aatttaagaa tg 382

<210> 6106

<211> 401

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6106

tctacttatg tggcagggcg ggcttccttc accttcttgt ctccaacgcg aactttgacc 60

attgttcttc cttcccgcga tgcttctttt catgtctgcc tgagtgggct tatagcctaa 120

accatacttc ccacgattac cttgggtatt tatcagtcta gttatgccgc cgttggtttt 180

tcctaaacct atcccgggct cataaccgtt cccaacata actcggggcca tcattaccgc 240

tgcatcggac agactaggct gccc aaagag ggagtccacg gaggaatgc tgaccacctc 300

aaaagactgg anagcagttt ctaacgattc ttctgcggct tccacataag gcatggagga 360

tgggcagctt accaagatat cnttctcgcc tgacacaatg a 401

<210> 6107

<211> 557

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6107

caccgcgccn cccgcgcccc tacctnct ctctcttcaa cgnnncnccn ncccccaagt 60

catgtgctct gagcgctga actcgctgag acaganaaga tccgatccga tcagatattt 120

tttctatag tatgacggga ctcttcataa cggagcagca caacgctgtt tgctccaaca 180

gagcttacac aagagcattg actctctggt aaacgactac caaaatagtg tcatcgaata 240
 cctctatcac aaaggagttg agagagtttc ctgaagaatt tcctacgggc ccatttgctg 300
 cagacagttg taaacgatta tcatgcgctt cggaatctat taccagagge tctgaacgct 360
 ggaactccca atccaagggg agagacgccc tcctttcctg taaacggtgc gaagctaata 420
 cccngacctg ggaatgcaat cacgcggatg gngctcgata tagataagat gaacatcttc 480
 catgggtgct gaatttctac atggtagcgc ttcttcaaga ataaacctct agaggagctc 540
 tgacggacat gataccg 557

<210> 6108
 <211> 499
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6108

accttgctta gtctcttgag aactgtgttt ctagatgagt gacagtcctt gttaaaacct 60
 anaccaagt cctgaaggat taaactgctt aaccaaacc aagttgtttg gacaagaaaa 120
 acatgttccc accaggttta atccattttg acgtatttat caattttgta gtatctcaat 180
 agttaaatta aaactaattc aatattatta taaacgttga cctgggtatg ggattaatcc 240
 ttgatcaaag tttaatcaga cttgtcactc tttcttaaga atgtattttg cgagaattaa 300
 acttaagggg gggtaagtag gccggcccat cccgcgtaaa acccgccac ataagttcgt 360
 attggcaata gattggacca gtctgtcccg tactcttaca cggatntaaa agaattgcct 420
 attnntttct taaaaattgt aatttaaaat aaatatattt ttcctcttaa aaaaaatagt 480
 aattacactc aattatata 499

<210> 6109
 <211> 288
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6109

agcttcttgg caatcctcat tccagcgatc agtttggttn ttgcgtaaga gcttgaacaa 60
 cggctcacia atggcgggtga gctgcgatat gaatctggca atataattca agcgtcccag 120

gaaacctcgg acttgcctct ctgtacggng ttctggcatc tcaaggatag ccttcacctt 180
 ttcggngtct acctctatcc ctttctggct tacaatgaaa ccaagcaatt tcccttattt 240
 gacccccaaaa gtacacttgg cgnggttcaa ccttaattga tatttctt 288

<210> 6110
 <211> 300
 <212> DNA
 <213> Glycine max

<400> 6110

tactaagctt gtacctctcc tgtctttgac actgacaatg acctttaatt ttgtattttc 60
 aaattgcctt agtacgatcc agcgcgcctt ttaattggat acacattggc tagtagtggt 120
 taaaagatga aaacaattta ttttgttgca atgccatagt tgcaagtttt ttgttcatca 180
 tgctttgcct gagagtagcc tattctgatg ttgctactct gttggcgctg gtgagccact 240
 tgattggatc ccactctttc tctgcaccta gactgaccac tgctttgacc acattggatt 300

<210> 6111
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6111

gcttcatcan gtcgtaccog aatcanatat acattaaaaa tgcagtatct aggaagtgat 60
 cctaggtcat ctcccaacga gcaatgggtca accaaacgtt cataacagat agtaataaaa 120
 cagtaatgaa ttggggggttg tttgtttttg taaattaaac agcaagtaaa tttgaattag 180
 aaaataatag aattaaaca tgttgtttcc ccttgattca caagcaagtc tcttatgcta 240
 ggttacgaga atttatcctt aatcagttca accacttact ccaaccctaa attaaattac 300
 taagcaaaat ttaacatgag gctgtcatta tgtgattaag caacacatac accaattaat 360
 catgaacgaa acttatcatt aagcatgaac ataaattaag cgcagagaca attaataag 420
 cactaagcat gcatggatta 440

<210> 6112
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 6112

tacgacacac taacgacatc tattcttcta aaccaatgtg gtataacaag cggtaggcaat 60
ttcgttaatta taaagttaga aaacgaagac ggtgatgtac aaacccatct ttgaattgcg 120
aaaacaattc ttcgacgatg ttgttttggt gaacaccatg gtgggtggcg cggcattata 180
gtcacgtgac tcgaacaaca ctcccatgac ctcaaaagac tgagttgtgc gccctaagta 240
cgtgaagact cgaacaagag tcaattgacc ccttcgttac tcagtttgca tcgtcactca 300
gctctccctt cctcagtcac cgtcactcgg atcgcacctt ctatcgtgac tcatgccaca 360
ccttcgcggg tggacacccc tagtctat 388

<210> 6113

<211> 477

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6113

tcatgcaaga attattaatc ttcttggcca actaataacc attgtgaggn ggaggcatat 60
gacgaaagtt aagaatcttt ntatttgact tccaatttag gtaaacaaaa tgggtagtca 120
aagttatgaa acccttagta ttaatagatg tccataaatc agaagttaaa cagatcctgc 180
caggaatagc acacaacagt tctttactga tggttttctt cctctcatat attctcaaca 240
tattagtctt aaaagtatct ctagaaattg gttaattgag gacacaaata acttatcaaa 300
gcctgaaact ctggatactt aacaaaaatg aagggcaaat tacgcctaata cattagatta 360
cacaacaatt cgcgtgocat cattngatct atctctttgg ccttaaactt tccttgcatg 420
tctaagatca tttgactcat atcttcanag ttttttatct cacatctgcc attatga 477

<210> 6114

<211> 325

<212> DNA

<213> Glycine max

<400> 6114

caatttcgag cgtctcgata tcttatgcgc ctgaatctga cctccgagtg aaaagtgatg 60
agcatctgaa tttctcgaga gcttccggtg ttcaattgag agtgccctgga gataatatac 120

gcctgaatca gacctccgag tgaacatta tgaccathtt aattttctga gagcttccgc 180
 tgctcaatht ccagcgtctc tatatgtgat ggcctcaat ctgacctccg cgagaaaagt 240
 catgaccatt tgaatgtctc gagagctctc gttgttcaat ttcgagcggg ttgatgtatc 300
 atgcgcctga atgcgacctc cgagt 325

<210> 6115
 <211> 492
 <212> DNA
 <213> Glycine max

<400> 6115

atagatactc acgcttgaag gagacacatg agagggagtc gccacttcat tatgggtaac 60
 ttagccactt gtatatgccc aaggcaatgc cctattgcac tatccactac tgaagttaac 120
 tatatttcag ctactactcg atgctctcat atactagtgg atgcagatac ttctcgagag 180
 gaccttcaca tccatgagag tcacattctt aactathttg acatacaaga actgctctat 240
 caatctttcc aacaatactc acttgcgtct cacggagagc actacctaht cacatactag 300
 gccatacaag accatgttct atatcaacat gctaatahtt ctctgcccac ctttcgacaa 360
 ttacacgagc attgacttta ctccgatgcc cgaatatgcc ataataatc agacactcaa 420
 attgacactg aagctttgag aattcaatgg catacthtta ctcgaggtcg atcagctcta 480
 tatacagacc tt 492

<210> 6116
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 6116

atagaacaag cttaactcac ttccaaaagc tagcttcaaa gaggaggatt gtttcccag 60
 tcttataagg agtaggcatt ttaacaghtt ttttgggctt gagtgtcata ctgacaattc 120
 tgatgggggtt gaagtgtgtt ttaacaaccc ctccaaaaaa aaaagcaacc accagtaagc 180
 ctcttataca atcctattgc ttcttaatct tcaaccthta acacagacat tcgtgagaat 240
 ggthaaaatt ctcatthcat cttaatcttg aaaactctta athtttgccaa ttgagaagta 300
 cctatactaa agaacttgca cccaatgggt tta 333

<210> 6117
 <211> 302
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6117

aagaatgagt atcatattta tatggtgat aataataata atatttttat tttttttctt 60
 gatacatgtn aaagacaaca acataacata agttaaaaag atttaatttc agttgattga 120
 gttggatata tgagttatta taagtttttt aattctcacg gataacaaat aaaaagagaa 180
 ctaacacaaa cttttatata tgcatatcaa atngaaacgg taacataatg actccttttt 240
 cttttaattg cttctttcag gagagatcat catcaatgga catggaatca tgtgtgcctc 300
 ca 302

<210> 6118
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6118

gctntgataa gacaggacac actgctgtct tctactataa gctaaaacag atacaataat 60
 ctattctaaa gatacacata attataacat aatcaacact gatcctattt gtcattata 120
 aataaaggct tagtgtggtc atccaagacg cgacattaca cagtaaaaca ctattataat 180
 aatgaagac taattgtgat catcctcaac aacacattac agcaaaccct tccaacatcc 240
 ataatgtgca atgaatggta tttaatgcat ataaggcaag aactagtaac atgtttgctt 300
 tgacatctca ccatgcttca tgtgtgtttc accgaaacaa acattcacgg cttctacata 360
 tattaagcta tgactcatgg atatgaacag acctaactat gtgatttttg aacagtagga 420
 tg 422

<210> 6119
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6119

attctaattg caagttcaca ttcttggtct ttctttggct aacatacata cttggtcaaa 60
 cttgtgaaaa gaaacacaaa ctccatcaca atcatgcatt caatccaaaa tcaaatcata 120
 aactaattt tcacaaaaag ataaaagtg ttaactgcaa tatcatcaaa gtcaagttta 180
 actgtttcat atgcttcaaa ataagcatac tagctaacca caaacacaat agaagtgtat 240
 ataaacatta accaaaataa ctgacacaat gtactgaaac tataatcatt gtaataataa 300
 tccanaaaga tgtagaaaca agcttcatga tgatgaatca agttgattca agtagttgtg 360
 atgatgacaa anagcccata gaatgatttc aagattgagt caacaagttc aagatcaaga 420
 ttaatttcan gtttcatgag aagaaatcaa g 451

<210> 6120
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6120

agcttgtagg attatggngt acccatctta tgtgggtacta ggtggcggtt aggcgatggt 60
 ggcgaacaag ttttccacat ccacaaagcg cgcataaacc caccatcccc tgttgccac 120
 ctccaactaa gctcacgtac tcccacgtag cccatatacct cgtttctctc aacaccgggt 180
 ccccatcaat cctcccaagc tttcccaaca tccaagtaat acaacattcc aacagcacia 240
 accatcatag ccaagaaaac atagcgaagg cagaaaactc tgcccaaaac acaaaccaaa 300
 atcacagctt ttctcactta aagaccccag taacaattcc ttcgttccaa ttcgttaacc 360
 ggtggattga ctccaaaata ttactggaag tctctagtac ttaagcctac attgtgacn 420
 gtgggatcta ct 432

<210> 6121
 <211> 396
 <212> DNA
 <213> Glycine max
 <400> 6121

actcagctta cagttccgtc actttggata atacacaaag aaggctgttc gatgttagaa 60
 gacaatctca acaggttagg gatacagtg tggaatgca atctaaaatt ggtagtaatc 120

gagtgcgctg catggagtta caagtagaac ttgagaaaga aaggatttta gtctgtaata 180
atgtgtacaa aatTTTTctt cgaatgattt ggtacacaga agttgtgaac cttcttgtct 240
ttctatatct aggtttgccca agaaaagagt ggaagaggat ctggagggtcg ctaggagaaa 300
gtttacgcgc cttatagagc agaatgaggg ctcttcagta actgaaaagc ttcaagagga 360
acttgaagag tacagggaca ttatcaagtg cagtat 396

<210> 6122
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6122

agcttatgag cganacaatg cgactattat atgttaagtc gaatttcagc gttcaaggac 60
tctggtaatc gagtaccaac acatcggaat agatgacagc ctgttgaaga tatgaggaaac 120
gttgcatgat cagggttgaac gcattttcta gctcattctg ctactagcga tcgattacaa 180
caatatggga gtcgatgacc aaagtaactg ctctctggca aagggtgtgt gaaaaactca 240
tgagctattc aaagtgtgga ataatagaaga aatacttata atgat 285

<210> 6123
<211> 124
<212> DNA
<213> Glycine max

<400> 6123

atgccccacg ttatctacat gagacatgtg ccaaaccgat tattgtgaac ctgtacgcat 60
aacatgtcat gcgtgcacct atgatgacac tccattgtcg aagattgatg gtcattgtgat 120
gcta 124

<210> 6124
<211> 315
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6124

agctngaaga caagactata cgaggtatct ttcttgggta tagcaatata tctaagggct 60

accgtgtcta caacttgcaa actaagaaac tcgtcatcag tcgagatggt gaagttgatg 120
aatatgcttc atggaattgg gatgaagaaa aagtggagaa gaacgttctt atactcgctc 180
aactacctca agaagaagat gaggaagana acccaggtga accaccttca cctccatcac 240
aacaacaaga agagatggag tatccataca gaannaattg caccagtagc tcgtcttaat 300
aagacaaaagc tcaac 315

<210> 6125
<211> 317
<212> DNA
<213> Glycine max

<400> 6125

ggaagaatca taggaaatta ctacaaatgc cgctatcact gttggactac acacatgagc 60
ccacttaaag gtaaggggtg agtttaccgc aattgtggtt agaatgaacg tgtaaggatc 120
cttataagat caaattgagg tttattttgg aatgttttgt aacatcccat tcttctgtaa 180
gataaattta ataggattta tttaaaattg aatagagttt taggaaaata atgagatttc 240
tgtaattaaa taaatcagga gaaataattc tattgattaa aataatggct tcagggaaat 300
acataaatat atgttct 317

<210> 6126
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6126

agcttaaatct taatgatcaa tcattaattc acgagacatc ttctgtttgt ctctgatca 60
tgactgcag aaaatctaga agttgctgca agagggtcaa aataaatggn gaaagctata 120
atgaactggc catccacctt gtctcaggc tccttttctt cattttcatt agcaggactg 180
tccttgtttc cttctgctgc atcttctct cctacaggct tctcatcagc aagaaccttt 240
tcagtttcat tcaccacttc ctcaatcacc ctatgaaatt aacatcaaaa ggaacaaata 300
attaataact gccaatataa aacatgagac tcttgatga aaattctaatt ctgaacttca 360
ttattattaa nattaagaat taanantatg aatacaaaca attactta 408

<210> 6127
 <211> 404
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6127

 ttgattcaag atntcttcaa gatcaagcct tgcctcataa cgaaagggtt caagtcaccc 60
 aaggcacatg taatcgatta ccaatacgtg taattgatta ccaatgattt gaaagtgtgt 120
 aatcgattac tagagactct gaatgttggg aattcaaatt ttaaatagaag agtcacagct 180
 gttcaagata aataactatg taatcgatta cactaatgct gtaatcgatt agtggagagg 240
 attttcaagg aatatcgcca atagtcacat cttatcattt ggattttgaa tggccatcaa 300
 aggctatat atagtgtgta cttgtgacaa aattggaaga gagttntgct ggtccagaat 360
 gtcttatcct ctcaagaagaa aatgagagag attccaagag aact 404

<210> 6128
 <211> 413
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6128

 agcttaactc tcaaattccn cttcatccca ttctcttttg atataggcat tccttcatta 60
 gggacaacaa cctcagcacc aggtttgaca atatctgtca atgggatcat gagactcctt 120
 ccgtccaagg tggtagatc caacgtttta ccagtaaggg cctcaagaag gggtatctct 180
 tggttgatca ccaaatcatt accatccctt ctataaagag catgcggctt ctcatctatc 240
 aaaaaaatga gatctgctgg gatgacacca ggctcacggt tacctttctc tgggaaggta 300
 atttttgttc ctttcttcca gccaggtttt atctcgatag tcaaaatctc ctccacatcc 360
 ccacatttgc tgaaatggaa ttgcatgtgt caaatattgt caaaaaacac aaa 413

<210> 6129
 <211> 431
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6129

tgcagcntga gatctectgt tctgtctgac taccttccac agtttatcaa ccataaatng 60
 taagagatgc ttatcatgga attgtgccac cttgttatac tccactgcta aaaaaattta 120
 ccacataaag agtagtagca tgctgcaacc acaagaaaac ttattcaa at gattttaaat 180
 gtacagggttc ttaactttca tagtaaataa tacttaattg tgtcagaatt ttttaacaac 240
 gtanaatgga agaattttctc ctatcaagga atatcta atg ccaaacagcg aataacatgt 300
 tcagaagtga acaataacaa atgatcaata gaaggcgcgaga gagaatatca tttacacggt 360
 tcagattgta attgttcacg caacctttga caaagaagca tgtggggatt accctttaac 420
 tgatatttaa t 431

<210> 6130
 <211> 425
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6130

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 ccactectca cgtttggttt tttagggaaa acaccataac taaacgcgcc gcaagggatc 120
 cctatcgcac cagatccaaa tctagaacga tgggtgatca agaggagacg caggaacaga 180
 tgaaagccga catgtcggct ctgaaagaac aaatggcctc catgatggag gccatgttaa 240
 gtatgaagca gctcatagag aagaacgcgg ccaccgccgc cgctgtcagt tcggctgccg 300
 aagcagaccc gactcccttg gcaactacgc accatcctcc ctcaaacata gtangacggn 360
 gaagggacgc actgnngcac gatggcagcc ctcacctggg atacaaccga gcggcttacc 420
 cttat 425

<210> 6131
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6131

atatgcatgt gaattatgaa gcatcaacaa gaatcaagcc aaggctattg tgcaagcaat 60
 caatggggca aaacacacca aatgattatg atgatggatg gctcaaattc tcacaaaggt 120

aaactcatca ctttcaaatt gagctttcaa aactatcatg acatgtagag gagaatcaag 180
gatttcaagt cacaaagtgt caagaacttt tatntcaaa acaattaccc atttcttgaa 240
catatcctat aattcaaaga anaacatgca aagtcgtaca tgcatacaaa attgacccan 300
aatattaaac taagaatccg acgaaactag caacattaac aaattaacac aactaacaga 360
ttaacagaac caacaaaact agcanaacca aagaacactg cccccccccc cccatactt 420
aaacaacaca ttttgtctca tgagcacaat 450

<210> 6132
<211> 440
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6132

agcttgagat gaggaagtgt tgaagggtga aacttcctgc ttttattggt gaccacagag 60
tggtacctgg agatatgtcg cgngggtcag gagaccttgg ggacgtcagg tggggtgcta 120
ttgccccaaa ccaagcttga ccaatcccg cccaaccgg gcatagtcgg tcagtgagaa 180
cctgtgatgt acctaaacag gcgagctcct ggcagtcaac agataaaagg aacaaagacc 240
acaaagcaag gaggcttgtg gtggctggcc agttgtgaat tntgtgtgat atgtaaagta 300
atggcctctg gtaatcgatt accaagggtg ggtaatcgat tacaaggctt ataatgaag 360
acaggaggct aagatggtct ctggtaatcg attaccaagg ggtgtaatcg attaccaggc 420
ttgaaaacga agtcaggaag 440

<210> 6133
<211> 395
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6133

ctaagctttt atccaggctc atcttggtgg tgaagctcct tcttccatgg cttattcctt 60
aatggatggc gcctcctctc acctattttc ctttgtcttc cgctgcatct ccattggtgga 120
aaatcaccat taaaggaccc cattgaagct caaagatcca gcctccatag aagccccaca 180
agcaagcttc catcaagtgg taatcagagc acaagagctt caagtaggtg ctccttaacc 240

tccattaatt ttttttcttt accttctctt ccattggtgg ttcttcatta ttctccatgt 300
 atctcctcac atgtcttggt ctaaagtgtg ttaacatgat tcttttagagt ttccaccgat 360
 taaacttgct atagaagtta gatttgattn tctat 395

<210> 6134
 <211> 359
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6134

gagtgcacac cccagaaaag tttccatccg tgccggtgat ggttntcaca acttgaaggt 60
 aaatTTTTat ttattggttt gggtttgatt gggatgatta tgcttaatta tttggtggtg 120
 actttgggaa cattnttagg agattaagac tgtggaactc atgaaggcaa ctgggtgggt 180
 ttatctatcc ttgtctggag ctcatcctan gtaagtacag tgttctttct gtatccagtt 240
 tttgttggtt taagtttgta tccaatTTTT gttgtttgga ggcctggatt tttgttttca 300
 acgaaatTTT gtgtgcatgt tttggtagat ttctagcata gagtaaaaat taaaagaat 359

<210> 6135
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6135

ctcgcccagg caagcagggg tgcttctctc agaagcaaca gccttctgga ggaatcttct 60
 ggagggccca agtgggcctg gttgctatTT gcaccccat tttactaag tactcccccc 120
 tgcttttatt ttggtgattc ttttttcgta cagttacgga aacttacgaa tttcgtaacg 180
 atacttgTTt tctttccgta atgttacgga accttgTgga ttacataatc atccccttac 240
 gaattgtgac ttacggaatg ttacggaacc tcactaatTg tgcaacgatg cttccatttg 300
 atttccggcg tgtcacggaa ccttacggat tgtgcatcaa tattttcttt tgttttctgg 360
 cacgtccctg aatttcacan atggccta atgatgggtgcc aagcacctta caaggaccaa 420
 ataatagtcg catgtcatc 439

<210> 6136

<211> 436
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6136

 agcttccccga gtgtccatt gaaaaccttt attcaacctt tcanagttag tgataaggct 60
 aaacgaaaaa ttagggaact tagaaaaact aaatccttaa ttgaaggcgt aggtgacaat 120
 catagcgaat tactaaacaa gattagtagt ttgcttaagg tcattccaga tactccccaa 180
 gcttcggaaa atacttccaa aatggtaaca agaagtacct ccaaattaat taatgttatt 240
 aatgaagata gtgacaaaaa cttagataac acaactgaga taggatcagt gtcagaaaag 300
 aatataaatc cattaaactc caaactctgg aaaaccccct ccaaattata ttatcaacgt 360
 ccaactgccc ctgaccttct attagaagaa agagggtgaa aacaatttaa aatttttagt 420
 gcaaataaca tctatg 436

<210> 6137
 <211> 510
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6137

 agggatgtgc ctctgtttgc gacctataga tactcagctt gtcacctcat agctaggttc 60
 ttcatgttaa tcagcctatg ctgtggnagc tagntgatga gcactgcggc cttagattat 120
 taccatgtgg atgaatggtg gactctgagc attctgcagt gacaaagatt cattacctgt 180
 gaattgcaca aatgatcact tgggctaacc gcatatacac cgtctaggag aaacagacag 240
 agcatcacac atcatgagct cttntagcaa catgtgcctt cctgcaagct aactgcaata 300
 ctggcgctca gctatgtag attactcacg ctgagcacga gggtaggagt atgccactgc 360
 ttgatttcat accaatatag agactgtctg tgcagataac ggtacactct accgaatacc 420
 agggccacta tactcgcaact ccagtgtctat ttggtatga ctctagatga cgcatatgac 480
 atcgattgtt cgagctagtt atctcattaa 510

<210> 6138
 <211> 441
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6138

agcttatgcy catatttcct tacgaacgtt cacttgacac agacatccta ttaactaaga 60
aaaatgcacc catatacaat caaggcagct tcattaccta gattattttac atgtacttcc 120
aaggtgtatt tggtattttac atcacacacg tctccttggt taaatttaca tacatgcata 180
ctcaaagcat tttgggggtac caaaaattgc acgtgtgcac atcttggtat ttctaatacc 240
tatacataca caaacttcat gatgaatctt gactatctac acaataaggt gctacgtttc 300
atgctctttt caaatttttg ctacctaag tcgcatgcaa attcaagtat attttccttt 360
gctgactaan antgtattaa aagggatata ttatttttgg aatgtatttt ctttacataa 420
catgcaacat atttatatat a 441

<210> 6139

<211> 441

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6139

gctcatattt tagaagttat cacttctgtc aactctatga tgccttnttt gaaaaaggaa 60
aagagctatt atttcctta gattgttcca aacattgtct agttatcctt ttagaagnta 120
atatgtgaac taaagctttt attgtagtcc aaatttcata ataagggcat agccttggca 180
tctattctcc gtaaagatg ctttaacaaa ttaaagaagc attttctttt gacctgtatt 240
atgtgttttt ctgttcagtg ttcatttagc agaattgtat ctgtaataat aattaataaa 300
ttattctggt gcaatatatg ctcaaatca aatgagaatc tgatacataa tgcattctaa 360
atagtataag acatcaaata gtctgtgctt acagatccct ttggttacct aagtaaatta 420
gtgaaaaatt atatttgtca c 441

<210> 6140

<211> 376

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6140

agcttggatt gattcagcct gactagggat ctaggttttag taatttagac tacagtatag 60
aacacaaaag catgattgat tagagaaaca tctttacata catcagctgg ttcgttagaa 120
agacccaaca tatttaccta ctactgttaa ttttacttac ttgcattttt attgttttta 180
gcctagactt agtttaattc tattttaaac catcaattat caatgtctct tttaaaaatg 240
ccttattttct gaatttaact ctgtctaaga ctagttccct gagttcgata ctcggtattca 300
tccgcttttaa ttntaaatac ttgaggatcc ggtgcgcttt ccggcaaacc aaatttcct 360
taaakatatt tgcata 376

<210> 6141
<211> 412
<212> DNA
<213> Glycine max

<400> 6141

tgctccgatgc agcagtaatg atggcccgag ttatgttgtg gaacgggtac gaacccggaa 60
tgggttttagg caaagacaac ggccgcataa ctagcctgat aaatgccaaa ggaaatcgtg 120
ggaagtatgg tttatgctat aagcccactc atgcggatat gaagagaagc atcgcgggaa 180
ggaagagcgg tggtaaaagc tcgcgttgga gacaagaaag tgaaggaagc ccgcccgtgc 240
acataagtag aagctttata agcgcggggtc tgggagacaa aggtcaagtg gtcgcaatat 300
gcgaagatga tgttccgagt acatttgtat tggtagcacc atgccctcct gatttccagc 360
tgggaaattg gcgagtggag gaaacgcccc gcatttatgc aacgagcata at 412

<210> 6142
<211> 343
<212> DNA
<213> Glycine max

<400> 6142

agcttgctta agtccgtata ttgaattctt tattgtgcac accacgtgtt cttttccttc 60
aactgagaat ccatttgggc tgggtccatgt acacattctc ctctaaatct ccattaagaa 120
agatattttt cacatgcatt tgatgtagct ctaagtcata ataggctact agcgccatga 180
taattctgaa ggaatccttt cgtgacactg cgaaaaatgt ctctttataa tcaacatcat 240
ctgtctgagt aaaagtctta gtaacaacag ttggcctagt aatgttcaag gttgccatga 300

gagtcacatt tagtettaca gacccatgta caaccaactc tat

343

<210> 6143
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6143

acgtgcacgt gattaagcgc attgctgtgt tatcttgaaa accaatccgg atatagatca 60
agttacactg aattatgacg taatttcact gttcaaacag tgctcatata tataataaca 120
caccatgga attcttcctg ctgattcaa caaacaggca tcccttgaca tagatatata 180
aaaaaacatc acactttaat taattaactg ggcatataaa acccgnggta cagaataact 240
cgaataacca agacacagat gatagtatgc atcagtgtga tcatgggtca agttcgaaac 300
attgatgatc gaaactttca tctccatgga atac 334

<210> 6144
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6144

aacacaatca atatatccca aagagaaagc aaacaatgga gatgaacttc ataataaaat 60
gcaaatgata tatgagcttc aagagaatat gaaagaacag agagagaaac ttcaagtctc 120
aaacatatat atatgtggct ttttctttga caccctcccc aatacacaca cacacacaaa 180
aaaaaaaaat cttaaattga gggtatctgc atggctgcac aggacatctg aaagcaagtt 240
ttttgccttc tcaccctctc caattttggc aggtgcatta gagatttact aactatgtct 300
agtacaacaa aaaacaaata tgtcactgga tgaacaaaca ttacagatgt gttngagaag 360
agcaaact atca 374

<210> 6145
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 6145

agctnttaac taanggctat ttaaggtggt tttatatattt actttntaaa aaaaaaatcc 60
aataataatt aatcacgtta agaagggcta ctatgaggga ggtaaggaat tngngtgaag 120
ggcaatgggt tatagtgttg gagatgaaga gaaatTTTTg tatggaaaaa gggatctgtt 180
gggtaggatg ttacatgagt tataggaagt gaggttgaag gagaggattt gataaatgga 240
cgtggaagaa ggatcatata aaatactata gaggacaggt gaggaaggag tgacatggng 300
tggcacttat cagcacatga ggaataaata tgttctctta aagat 345

<210> 6146

<211> 418

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6146

tgtatacttc cnncaattta tggttattnt gagagtaaatt ttgtaataa atcttggtct 60
atgggtaatg ttgtcttttag aatatttcca ttggatttaa tgatgatatc tgtgcatttt 120
caggtgaaaa agaagctaag ttttgaattg caaaaagtag cagttgggct aagcgcatat 180
ccaccgctaa ggagaatctg gcaaagcatc agcatcagtg cgctaagcgt agcaggtgcc 240
ttcggccaag ctaagtgcaa gattggcgct aagctcaatt tcacttactc acgctaagcg 300
cgaggggtggc gctaagcgca acgtcatgat ttcagagcct atttaaagcc tgtcttgtgc 360
agaattatgg tacactttac agaataccca gggcacaaaa ttccacagca gccacagt 418

<210> 6147

<211> 343

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6147

agctatagga tcaaaatctt ttttctctct ttntctctca aatattgttc attcttctcc 60
cacttttcac ttatgttctt tgtagtcat catttacgac taacttttgt attgaaaagt 120
ttcatgaaat ttatatcttt ttcataaaac ttttgatttg aaaagtttca tgaaatttac 180
atctgctaag cgaggcactc agctcactta acgagttgcg agaactctgga agagaatctg 240

tcattcatgc atgcgctcag cgtgccatca gctccctcag cgagtcattt gtctcttctt 300
 gtgctaagcg cgctagattg ctaagcanaa attcactaac tca 343

<210> 6148
 <211> 506
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6148

gccctggtta tgctctgact ccagagaaaa cccctcggcc cagagtagaa ggtgcattta 60
 cacttttctt tttctatgta cattgtatgc ggacattata aatagcaact actactgcgt 120
 catctctggc ggactacggg tattaaatat tttatgatcc tttcaatcca catattgaga 180
 ccttgtggac gattgtgcac gaaaaagtct ttttaattag aagaaaccaa cgatgatttc 240
 atccttattt gtggtgaaaag aagcctactt ttaactctct actactaaat ctgataacaa 300
 gaagaaagac tttctgttac tgtcacaaaa caaaaagact ctttcgatct actgcataag 360
 atattaaagg cctactccgc caccactgca tatctgagat atgcgcactt cttattattg 420
 ggtgcttcat ctcatggggg ataataaata atgacttggt tcatcctgac aagactttgc 480
 gacataaagg atctgaagtg atcccn 506

<210> 6149
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6149

agctntccca caagtccata atgacattnt atactaggat taactcactn tagactccaa 60
 tttacactag ccccaaattt agcttctcta accctcaaaa tctcactttt ctacctacaa 120
 cattgtcatt ctacatttta accctaagtt aactttcccc ttcattctta ccagttttct 180
 atcagcaatt tcagcacaca aacatcacca agcatcatca taaaacccta aaacagaatg 240
 ggtaaatttg gtcacatca aacatgacaa gtttagcatg ctttcaacaa attccttcac 300
 aaataactac cataaggcat aaacttagta gaactacca tcatatctcc canaaacca 360
 ataccacga aattcatgtg agaataag 388

<210> 6150
 <211> 426
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6150

atgcccgagt cattcatccc tatgagatgt tgttgaagta ttggcgacca gaattgccat 60
 tccttggatt atatggttga accaagctca tgtttttaca aaaaggttca tcaagtcaag 120
 ttgaaatatg gaagtaaccg tcttgcacaa ttggggcaaa agatgaatcg agtcacatca 180
 ctgcttcgtc tactgcaaaa catatttagg attattgatg tccttggttac ttccagtttc 240
 accttgacaa agatgtcatg gaccatgttg aaaatctaaa ttgattcaac cccatatacct 300
 gcgtaaaaat tcgcaatact tcaactgtac atcattcgca tacatccatg cttttcattg 360
 gntgcattgc tcattgcatt ctttccttga aaaataaaat anaataaaat aaaatgaact 420
 taatca 426

<210> 6151
 <211> 370
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6151

 agcttctata taagctgaac cattntatca ataaacacaa gttgagtttt attcagaaaa 60
 ttagagttta tctcttttat cttagtgaga gtgattctcc taaattcttg agtgattcaa 120
 gaacaccctg gctgtatcaa aggactttca caacctttgt gtgttgcct cgctggaaag 180
 agtgattctt tccttccttt catcttcacc cttgttcttt caaaccacaa ttccagaaaa 240
 tccacctctg cccagaatta tctcgtggcc ataactccca ttttacgcac tcaaattaag 300
 tgattcttga gcctaaattg aatttcaaaa cgagaccttt cacctcgtn tggaatcacc 360
 tcatttggag 370

<210> 6152
 <211> 255
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6152

tctcgatata ttatgcacct gaatcagact tccgtttgan aagttatgac catttgaatt 60
 tctcgagagc ttctgctgtt caatttcaag cttctcgata tattatgcgc ctgaattgga 120
 cttccgtgtg acaagttatg accatattaa tttctcgaga gcattcgctc ttcaatttcg 180
 agtgtctcga tatattatgc gtctgaatcg gacttgcgcg tgataagata tgaccatttg 240
 aatgtctcga gagct 255

<210> 6153
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 6153

cattgacagg acatgcctat tatattcttg ttaaacagag ctcatacatc tgtgagcatt 60
 attaagctcg atgcaagatc tttcatatgc cccctagatc cttcttacca attgaagttt 120
 tgaacaacat ggattgagaa ggtataatca tgaagaggag atacttaatt cactacagag 180
 caaaatggtg taccataaga tgattttttt ttttcacgca attatgaaaa ctactaaata 240
 acaaactaga agaataaaaat gaaggcaaat agtacacagt acacacccat cttgccgtga 300
 ttcgctccct gagttcaaat tttggttcaa tggggcgctc tcctgtgaca agttcaacaa 360
 gcaaaactcc aatgaatac acgtcactct tttcagttag ttgataagtt ttcacgtatt 420
 caggggtccaa gta 433

<210> 6154
 <211> 333
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6154

ctaagctaag ctggtatnta gcttattata gcatgattac tatgtcttat atatcaaata 60
 tattctcgaa gagttgctga acttatttat tcagaagtaa tagacattgt catgtctaga 120
 aatgagataa atgtaagaga cagataataa aatactgttt gcacataaag tatgtaatta 180
 taatttttaa tacacgcacg atttaccacg gatatgccta ttttatataa tagtaacact 240

tgtctaccat tacatatata cacttgagat gtcattgggct attaatatca aacctatcga 300
ggctgagctt aactcagtca tataattgag ctt 333

<210> 6155
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6155

ataacacgca gagactaacg tcgtcttctg cgaccttctt caatcgcggc cgacaagctt 60
gttgacatgt tgagatttac gtcattctcc gcgctcacia gatctgtcat actgactttt 120
gagtctcgcc gacggccgaa aatacccgag tgggtatccg tataaacttt ttgttgctta 180
taagacgaaa agcctgatag cacgcagaga ctaacgtcgt cttctgcgcc cttcgtcaat 240
cgcgcccgac aagcccgttg acacgtggag atttacgtta tcttcgcgc tcacaagatc 300
tgtcactatg acttttgagt cacgctgacg ggcgaaaata cccgagtggg tatccgtata 360
aactttttgc tgtctgtaag acgaanagcc tgatagaacg cagagactaa cgctcgtctt 420

<210> 6156
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6156

gtcagcgtga ctcanaagtc agtatgacag atcttttgag cacggaagat gacgtaaadc 60
accgctgtga aacgggcttg ttggccgcaa ttgacgaatg gcgcagaaga cgacgttagt 120
ctctacgtgc tatcaggctt ttcgtcttac agacagcaaa aagtttatac ggataaccac 180
ttgggtatct tcgcccgtca gcgtgactca naagttagta tgacagatct tgtgagcgcg 240
gaagatgacg taaatctcca cgtgtcaacg agcttgctcg ccgcgattgg cgaatggcgc 300
agaagacgac gttagtctct gcgtgctatc aggcttttcg gcttacagac atcanaaagt 360
ttatacggat aaccactcag ctatttcccg ccgtcagcgt gactcanaag tcagtatgac 420
agatcttggtg ag 432

<210> 6157

<211> 402
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6157

 gttatgatag ggaaggggtca ctatgtactt cagctgttgc catcacaaaa atatatgata 60
 cttggataag acatcttggga acttgaaatc atgcatgcat tctctgtata caacaacaga 120
 ctaggggtnt ctaattcctc aaccaacaat ataaagttgt ggtcatctga taatttggtg 180
 aacgtgtatt agttagcccg caatgggttta tggatataaa agagggttta ggacggattt 240
 atccattata tattgtggta atggatgttg gcaaagtga tgatagttct gtatgggttc 300
 cacctatcat aaatttggat gtcagctctt catagaatag ttngaaaaca ggaccgcatg 360
 atacatcata tatattgtat taaaagaatt tcaatgaata gt 402

<210> 6158
 <211> 485
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6158

 ctcagcttgc tttaaacttc tacaatcgcc gaccgccgaa gtagcaatta tgtttggaaat 60
 ttcgaatgtg ccccatattg aaattaattc acatgattgt tacatgataa aaacatgctt 120
 ctaaattctc agtttcgctt gaatatcaca tatagttgaa ttatttttta ttctattata 180
 agagatatte cattcaattg ttttgagccg gcaaacttat ttttcaacta tgcacctaaa 240
 ttcgaacttc aaaatcattg taccxaaata taaggcgttt aaataataag atatttctag 300
 atgaattagg cttgatagtt caacatgatt agtataaata ctacgtataa aatagaanaa 360
 aaatctatac aacgttggaa accttgggtg cttctacat tntaaggaag tacttttcac 420
 acgtgtggta aacanaacga taganataaa atagagatca tgtgatagag tanaaacatc 480
 atata 485

<210> 6159
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 6159

tcactaatat ttgaaatttg ttgttctatc ttctctaagc tctttntctg taaattttta 60
agttgtaaag ctcttttaac accttgtaaa tcctgagaga aaaatattca gtgcttaact 120
tgtatatacct tctataagac gcttaagcta ttttgtgtgc aaaatatacc cccaacaaat 180
ttgttgatth ttttaagagc tagaagtggc ttttttgaga aaaaataactt tatggtgtaa 240
atcttaggca taagctatgt tgtaagagcc ataagtggca aggaaaaata cttgtaactt 300
tntttaaagg tactagaact tgggtgggttg aaaaaccagg acatagtctc aatggtagag 360
atgaaccaat ataaaactct ttatgtctta catatttat 399

<210> 6160
<211> 247
<212> DNA
<213> Glycine max

<400> 6160
acagccttct ggaggaatct tctggagggc ccaagtgggc ctggttgcta tttgcaccct 60
cctttttact aaatacacc cctagctttt tttgggtgatt cttttttcgt aaaggtagcg 120
aaacttacga atttcgtaac gatacttggt ttctttccgt aatgttacgg aaccttgagg 180
attacataat catccccctt tttgacttac ggaatgttac ggaacctcaa taattgtgca 240
acgatgc 247

<210> 6161
<211> 346
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6161

agcttggaat taaaaaatga acccggttgg acctgttcaa cccaccctg attntccttg 60
acttgagaaa gcaggtttga gtttgggttt aggtatgtca cttcaccoca tatgtgtccc 120
gctaaaatcc aatggggata ggatttggtt tcatnttcc actcatgttt tgtaaatctg 180
aatccacctt gttgtgattc ctaccoccta cggatatcat aacataacgt ctgaagaagt 240
taatatgaat gaagacaatg aagaaaaacc aggtgtgttt gaaaaaattg attattttga 300

tgtcttcaat acttctcagg tattaatata attntgtatt ttatta

346

<210> 6162
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6162

cggaccttaa ccctaaccct attgtccaat ttcccatcat atagttctct aaattagatt 60
tcaagcctac aatccaaaca aacacggata ctaacctcgc caagctgcgg cgccaagtca 120
agaaagcttg tgtttcgtg gcgttcagct cgtcggcgga catgtcggga gtccatggcg 180
ggcggcgagg aacgcggagg ctgctggcgt ggagcgctc ctcttgcttc tgctgcttcc 240
tcgcttcttt cggcgtcgtc gcttcaccgg gcacaaaatc tggatcgcta ctctcanata 300
acagcaacaa aaacaacata tattacagaa caattgccga aagaagagcg cgggcacgtg 360
aatgcgaata agagaaagaa ggctcacagg ctga 394

<210> 6163
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6163

agcttctttt ctagaccatg atcagtcagtg ttttctggcc gatgtccact gtcattnttt 60
tcgatcaata tcggagaata atattttttt tgccgagatg gtctaagtgt ttcttgccg 120
aataagtcga aacatgccag tttctgaaca aacaaaaggt cggttgagct cacacaaaaa 180
acctagccga cctacgttgt aaatttttta tgcaacacca aaacaagaaa acttctcttg 240
tcgtaaaata caaaacatta ttggctagcg agtggttttt taaagaaaat tgtgcaatgt 300
cggtcgaaaa atatcagtcg gagctatttc aagttcgatg tcggctattg agttttcaat 360
tcaatccgtg aacgaaattt gcatgatgtc tgtaacgaaa tgttcgatag gcctcatcct 420
gtgaagcttc att 433

<210> 6164
<211> 427
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6164

ctcagcttct ttgtagacct cgatecgtca tctttccagg ccgtggtcta ccgtcanttt 60
tttcgatcca tttcggggaa taatattatt ttgccgagat gggctaattgt tttcctggcc 120
gaataaatgg gaaaatgcc gtttcggccg aaacgaagag tcggttgagc tcgcacaaaa 180
aaacctagcc gacctacatt ttaatatatt tatgcaacac caaaacaaga aaacttcctg 240
tgccgtataa aaaaaaaaaa aacattacat gacagcgagc gttttgaaaa acaaaattgc 300
gcaacgtcgg ctgaaaaata tcagtcggcg ctctttcacg accgatgtcg gctattgagt 360
tctcaattca atccgtgaac gaaatttgca tgatgtcggg taggaaatgt tcgatcggca 420
tcatect 427

<210> 6165

<211> 404

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6165

agcttgatga ggtaattgta atcagcacac tcacacacac tanaagccac aaaactaggg 60
tcttctccc caaaacccat gtactgctgc tcccagnttt ccatttcccc ttcacctgtt 120
ttgcatgtta tctactctaa tttctatcca tcataaaagc catcacgaca catccaaaac 180
cgcttcttat cctaacaagt taaacaaaca aaacatttcc atgttccttt atcttcttac 240
caaactaact acggcaacac atcagcacat acatttatatt aaacacagca gaaaccactc 300
tcacacaaaa tatcattata acccaacaag ggaagcaaat aggggaatca aatattagtt 360
gccaatacaa tgtcattttc taactgtagt gagatgttct tttta 404

<210> 6166

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6166

atttctttta tgcaagtga atgatgggtg ctgctagtgt cactaattta gaggaatgat 60

taacatttat ttgttgaaca atttaagttg tttctttctt ttattatgta attcgaaaga 120
 atgaaacatg ttttaagttgc taaacaaaat gaaacatggt gaaggacaac caacatagta 180
 tattaatatc tccttttttg ctaaatagaa tcatatgcta cttattgttg ggacaacata 240
 tatttagatg gtaatgtttt ttttgtggga aaataaatat gcatgtctta attcctcatg 300
 cacataccca catttatgat tntaattgaa tagattgatt tgttntagta atnttttaaa 360
 ttatgataat gatcctat 378

<210> 6167
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 6167

agcttgtata gttccccaat ttatggttat tttggagtaa attttgtaaa taaatattgt 60
 tctatggtta atgttgcttc tagaacattt ccattggatt taatgatgaa atctatgcat 120
 tttcaggtga aaaagaggct aagttttgaa ttgcaaaaag taacagtttag gctaagctca 180
 gcagttgggc taagcgcata tccaccacta agcgtagctt cagcgcgctt agcgcaaaag 240
 agaatctggc agagcatcat catcaaagtc gcacgcttag cgcaagatca gtgcgctaag 300
 cccagcaggt gccttcagcc aggctaagcg cgagactggc gctaagtcca atttcactta 360
 ct 362

<210> 6168
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6168

ntatagaaat tcaaattggc atgactcttc acacgaatgt ccgattcggg gaaataataa 60
 atcgagacat tcgaaatata acaacgaaag ctctcaagaa attcaaatgg tcataacctt 120
 tcacgaggat gtctgattcc gacacataac atatcgagac gctcgaaatt gaacaatgga 180
 aactttcaag aaattcaaat gatcataaca tttcacacgg atgtccgatt aaggcgcata 240
 atatatcgag acgctcgata ttgaacaatg gtcgatattg aacaatggta gctctcgaga 300

gactcacatg gtcataactt ttcactcgaa tgtgcgattc ggagacataa tatatcgaga 360
cgctcg 366

<210> 6169
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6169

agctatagag ttgagtcttg tatcggttta atcgattaca actatctcat aatcgattac 60
attgttggtt gagagaatga ctgatttatt caggagtctt ggctntaatt gattaccaag 120
atcgattact taaggcatct aatcgattgc attgttcttg agttatttcc agatgttggg 180
atgaactctt taatcgatta cttagataat ctaatcgatt aggtcattga attaatcgac 240
tatgctataa atttaatcga ttacaagcag ttataattgt tttctctata aataaccagc 300
ttgagttcac atctaagaat caagagatca atagaggatc ctccatacat ctcaaaaat 359

<210> 6170
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6170

ttacattgat gtttgtattg atgggaggag gttacatgcc attgttgctt taagagtaac 60
gtcccactgg taaaactaac tttccaaatg tttgccttcg caggaatggc cccgaggaat 120
cttgctcat agaggccac gaaggacaag gtggccgaat gaactatttt cgccccggag 180
tacgacagtc accgctttan gagcgttgta caccagcagc gcttcgaagc cattaatgga 240
tggtcatttc tccgggagcg acgcgtccag ctcaacgacg acgagtatac tgatttccag 300
gaataaatag ggcgccggcg gtgggcacca ct 332

<210> 6171
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6171

agcttgcgct ggccgctaag tgaggcgatg cactgggtct gtcttggtgcg ctaagcgagt 60
 tctcctaate ttcatttttt tcttcaagtt tttgcatcaa ttttctcca aagcacttgt 120
 aattntcttc ttttgaatct tgctggtaaa atattaacat gatattaaat ttctcattat 180
 ctcatataaaa acaatagtaa agtaaaggaa ttctaatacat tgttagtcaa aattaactgt 240
 caattaaact taaatttcac agttatcagt gccagcaaat ttaaatttga cactatgcac 300
 cttgtaagggt tacttcaacc atgcccattc ctcatgcagt atgggaggat ctctccttgg 360
 attnttcatt gcctttgctt cttcccaagg ctataccatg atcctgaaag cctcgtata 420
 caatgttcaa aggtactact c 441

<210> 6172
 <211> 380
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6172

gcatgagagg gagtcgccac ttcattatgg gtaacttagc cacttgtata tgcgcatggc 60
 aatgcactat tgcactatcc actactgaag ttgactatat ttcagctact actcgatgct 120
 ctcaaataact atggatccag atgcttctcg agaggactac aacatccatg agagtaacat 180
 tgttatctat tctgatttac atgaagcgct actatcacgc tttctaaaaa tactaccttg 240
 cttctcatgg acagcatctc ctaattacag actaggatcat acgataccat gttctaaagc 300
 accatgctaa tatctttatt acaccogtta ctaacagata ancttggat ggactgtata 360
 aaggaatgat tcattatcta 380

<210> 6173
 <211> 372
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6173

agcttattct cgatttggtg cnttggattt atcttganaa aatcgctgct tgagaagtgc 60
 ctgttagtgt tttataagat ggtagtaag ggactgttgc ctgacgtcaa gaattgcaat 120
 agggttctta gattgcttag ggataggat aataacatcg acgttgcgag ggaggtttat 180

<211> 399
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6176

tgcatacat agtctgatgt cgcataagac acgaatttta acctttgtat ttattagcat 60
 ttaatcaaac attgtaggct cctgattcat cttagacat aaatgtcttt tgacttaaca 120
 tgcattgtag tattttctagc tctccaagcc attattctca tttatgaaac tctatcagtt 180
 aaaactaagt attctcaact tgccaggcga tgatactatc ttgcatagac tttgagaatt 240
 tttaactagg ttactaaatt atttgtcata cttaaataatg cccctatacc atatttttaa 300
 ttggatcttg aagttgcatg tgtnntttta attaatgcca tagttgggtc ttaaaacttg 360
 tatttgTTTT ttaattagat cccaccaggg acctaatta 399

<210> 6177
 <211> 429
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6177

agctataagt gaggccttgn gagaggatnt gtccaaaccc tccaacacca gtactttagt 60
 taataaagct gacactacta ctactaaggc aaggataaga tgcagcatcg accaaagctt 120
 tctgaagaac aaatctgtaa aggggtaccac ggaacttctt gaacagcatg tgtggaggcc 180
 ccagagaggg ttgccagagc gtgcagtggc aattcttaaa gcttggttat ttgagcattt 240
 tcttcacccg tatgtttgtc tctatctatg tctcttatta ataattttct tgctccgtga 300
 ctctcttttc tgcattctaa agagacattt ggattgaatt gtggcctttt tttgctgttg 360
 ttgaatttct tttcagttac cctacagaca ctgataaaca catgctggct agtcaaacag 420
 gtctttcac 429

<210> 6178
 <211> 432
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6178

6179-6180

tcatagcctg aatagtggct taaggagttg aggctgacaa gtcccaattt ctgcgtttta 60
gcgatgacct agctaagcta gtctgcccg ctaagcaagt tcatccattt tgtaaattt 120
ctgggtttta ggatgaactc gctaagcgca ccctgttcga ctaagcgagt tcatcaagtt 180
tgtttatatt tctgcaattt cgtatgaact cgctaagcca ctgcactacg gcttagctag 240
tcattgaatt tatgctntat atttctaggt ttgcatgaac tcgctaagcc gaccatccgc 300
gcttagcgag tacacttagt tagttctgca acttgagggc tgtttgcat cctttcgtgg 360
ctaagcgagt catgctcgct aagtcacaaa gtgcctctgg aataaaattg ggctaagcga 420
gtctgtctca ct 432

<210> 6179
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6179

tgggaccttg cttagtctct tgagaactgt gtttctagat gaggacagt ccttggttaa 60
acctanaccc aagtcctgaa ggattaaact gcttaaccaa acccaagttg tttggacaag 120
aaaaacatgt tcccaccagg tttaatccat ttgacgtat ttatcaattt tgtagtatct 180
caatagttaa attaaaacta attcaatatt attataaacg ttgacctggg tatgggatta 240
atccttgatc aaagttaa cagacttgtc actctttctt aagaatgtat tttgcgagaa 300
ttaaacttaa ggggtggtaa gtaggcgggc ccaccccg taaaaccgt ccacataagt 360
tcgtattggc aatagattgg accagtctgt cccgtactct tacacgg 407

<210> 6180
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6180

gaaaaaaga agtcgtatcc agtcaaggct tgagagacca tacaattttc ctaacgattt 60
ctaattatgt gggccattaa gtctatcata tgctgacaat agccgagaag cccatgaatc 120
tcttcggggg cggagtaggt gtctgccatc gccttggcct tggctaacaa tcgngaagt 180

[illegible]

```
<223>      unsure at all n locations
<400>      6181
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<210>      6182
<211>      443
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      6182
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2622

<210> 6183
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 6183

agtcgccact tcattatggg taacttgacc acttggatat ggcgatggca ttgccctatt 60
 gcactgtcca ctactgaacg tgactctatt ccagctacta ctogatgctc tcatatacta 120
 tggatccaga tgctttctga gacgagctac acatccatga gagtaacatt gttaactatc 180
 tgacttacat gatgcgctac tatccagctt tctaaaaatc ctacattgca tctcatggac 240
 agcatctcct aattacagac taggtcatatc agaaaccatg ttcaaaagca ccatgctaata 300
 agttttatta caccggttac taacgaatct ccttggaatg gactgtataa aggaatgatt 360
 cattatctat aggtgctgca cattagcttt atgtcacagg acatatac 407

<210> 6184
 <211> 337
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6184

agaacgcatg aacganaatg cttttcatgg tgctccgaan aagggttgag gatggagaat 60
 cgcactaaga aatcactacg catgggtcca aactcgtggg tggaggacgc atgaacgaaa 120
 acgcaattca tgggggtccg aaaaaggggtt gaggatggag aatcacacta agcaatcact 180
 acgcatggct ccaaactcgt ggggtggagga cgcatagaaca aaaacgcatt tcatggggct 240
 ccgaanaagg gttgagaatg gagaattaca ctaagcaatc actacgcatg gctccaaact 300
 cgtgggtgga gggcgcatac acgaaaacgc aattcat 337

<210> 6185
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 6185

aagattcaag attcaagaat caagagaaga cttaatcaag ataagtatga aaaggttttt 60
 tcaaaaactg agtagcacat ggctatttct caaaacatgt ttaccaaga gattttactc 120

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<223>      unsure at all n locations
<400>      6186
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<210>	6187
<211>	373
<212>	DNA
<213>	Glycine max

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aaagaggagc	ctaggcaaaa	gttagggaaa	taaaatagga	aaaacaaaat	atgggcgtgt	120
tatcaaaggt	tttgtccaaa	atctaaattg	taaaagtctc	taatcaatat	ttgaaatgac	180
acatgggtcat	gcttcattat	cccaaacact	aatttatccc	ttgttacccc	ttctgagcca	240
aagcatattt	gttttctttt	aaaacaacaa	caacaacaac	aaaaaccggt	agtagcaacc	300
accgctgagc	cggcgggaag	agcaaggcac	acatcatatg	catgaggtaa	gctctacggt	360

gggcaacaat gat

373

<210> 6188
<211> 270
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6188

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agagatttaa aagttactag gttgcctcct agtagcgctt ctttaacgtc ttgagctgga 120
cgcttgatgg cttgtcgggc acggacctag taccttgctt acctttggct ctggacttgg 180
tcgcctattg ctcggccatg ggtcgtaagc aacgctctaa cctttttgtg gagagctgag 240
gtgaacteta gaggtgatgg cgggtcgtct 270

<210> 6189
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6189

ntgtgtggag cttcaatggt gaatgagga ggaagaaaag caacgtgagg gagagggaga 60
gagagcttct gaaaatgtgg ggctgagtga agagagagag agttgctttt tggttntaaa 120
taaaagggtt ttctcttttt ccattatttt attcaagctc tgccacatgt ccctatatga 180
ttggagcaaa aagggccac tttctctttt tgactgtgac ccatacttag tcacaaaagt 240
gagaaaaatc tgacctttga aacgctaaaa tctgcctcg gtttgcgcgc cgtttctctg 300
attccagttt ctcgcgtttc tctgcgtccg ccggggccag ttttcaaag caagcaata 360
atatatcaaa acgctcagaa taaaaccccg agcgt 395

<210> 6190
<211> 252
<212> DNA
<213> Glycine max

<400> 6190

tcccggcaac attgtttgta ttaatgaatt caacattatc cttgaatatc agtaaagctt 60

663164-304.4430

tttgtttctc tgcagcatcc ttatatacct tcccatatct cttcatccac tgctcatgtc 120
tttcggacat ggatgcctca tggaggttgc gggacattac ttgggaagtgc cacattgaga 180
gaaggagcac aagagctaaa atgtgctgct ttttgcccat ggaacccatg tcttttctca 240
acaatgtatc aa 252

<210> 6191
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6191

tatagaatat ataataaag aacagtgact attgaagagt ctatacatgt ttcctttgat 60
gagcctaatt ccattcttgc aaggaaggat tatttagatg atatttcaga ttccttagaa 120
gatacacata ttcattgaaa tgactctaaa gaaaaagatg aacgaagcaa tgaggattct 180
caagataatg gggctagagg aaataatgaa cttccaagag aatggaaagc ctcaagagat 240
catccnctcg acaacattat tggatgata tcagaagggg tcacaactag acattctctt 300
atagatttat gcaagaatat ggctcttgta tctatgattg aacctaacaa tatgggagaa 360
gtcatagtag atgataactg ga 382

<210> 6192
<211> 260
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6192

actttagtaga ttcaatntgg gaaaaattgg atgagggcaa gtgtgatttc gaaaatctgc 60
actttatgca gaattttgct gtcaaatatg tgcagcagaa ttttggtttt gtgcagaaaa 120
tgttgtgtat ttgttggttc tggaaagagt agtacagatt gggttcttga cgttttcttg 180
cagatcccaa cggtcacaat gtaaacttat gtgctagaga ctttcagaaa aattttcaag 240
tcgatccaac gggttaacgaa 260

<210> 6193
<211> 414
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6193

tcacccttcg tcccaaactt agtccanact tatcttcttt taactttctca tctcttagcc 60
ttcaccactt ctctcgcacc tctatttccc atctccttcc tttctttttc gattccagtt 120
gctagtcatt ataggatctc cattggagct catgcttcca agaagatata acatatgtca 180
acctatatct aaacatgcaa tccaacttca tataaatttt ttcataaaat tagtaaatac 240
tcaacaaaat atcatgggtg attattcgta ctccattat gatgggtcgc ttatcctcta 300
cgaccaccaa aatgggtagt gagtcatata ccacctacat ctctctcact acctnctctc 360
tttgatgac agtaacttat ggcgtatgtg gtatgggttaa ggggtgcatc attg 414

<210> 6194

<211> 633

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6194

tcaccacttc tccacnaaca tcttcctggt tgtnnnngca nttcatatct ctccactaca 60
ctctnntac tcacaccccc cccgacaact gggngtgagt tctgtcgtt gcagcgacnc 120
tnnanagtng acctgcaagc atgcnaagct tctacccta tntgtggcta tagaatgagg 180
ggttatgatg tgtatataag aaaagcggcg ctcaacgctt tcttagggc gacatcctct 240
cttctctcc tgcgaanact tgctggagcg aaataatacc ttcctatgat agaaaaatat 300
catagcgcga gggcgcttgc cgtaaccggt ttcgtgagtt attacgcaa aattctcgac 360
cgttcttcaa gattcatcgg tcggtcttcg tttgtttgag tcttcaacgg gtaaagacct 420
ccaaccgagc ttttcaattt attctatgta cccgtggtcg gccacatttt cgttcatgta 480
ttgttattct cgggtgcatt ctctatatat acccccttt gacgaggtaa gccatcattt 540
aaggatttct cgcttaacgg aaaatacaat aacttcaccc atcgctgaat ggatcacccg 600
taatccggtg caaagaatcc gaccgtcgcc tcc 633

<210> 6195

<211> 451

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6195

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atggaataat cctaggaata ttacaataac cgttttattg ataagaattg ctcagcagga 120
tcacaattcc aagcaaggcg atctgggaaa ggatttgcag aagcttctgt tttggcagga 180
ttcttcaaac gaagtcgtga aggtaagtgg gcctcttcac cttacgtttg ggctttactt 240
cgttatgcac cccctgtttt gtaattccca cctccgagct catctaagag ctcattctatt 300
gtgggaattg ngaactggtc ttggaccatg acagcattga gggccctgta gtccatacag 360
aaccttcagc tcccatcatg tttccttaca aggaggacga gtgaggagaa agggcttgta 420
ctangttgga tcaatccttt ttgaagcatg a 451

<210> 6196

<211> 312

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6196

acactatgat actcagctta ccactgtccg gttactcctt gcccttggtg ctcttcataa 60
ctggcacctt caacaattgg atgtaaacia tgctttcctt catgngatc ttaacgaaga 120
ggtttatatg aagcttcctc caggacttat tgtggataat cccaaccttg tttgtcgctt 180
ttagcattcc ttatatgggc tcaaacaagc cagtcgctaa tggttcacac ggctctcgtc 240
atttcttctc tcccacagat tccgacgac ttcagcagat cactcgttta tatatactct 300
gataatgacc at 312

<210> 6197

<211> 371

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6197

aataggggga gaagtgaaga agaaaggggt tcagcttctt aggcattctt ctctctctcg 60
aaattgctga ggaaaattag ttccatgaag aaaattcaag ccgaggcgct tccgtaacgt 120

ttccgtgagt aattacgga agattctcga cgttcttca agattcatcg ttcgttcttc 180
 gttttcttga gtcttcaacg ggtaagtacc tcaaaccgag cttttcaatt cattctatgt 240
 acccgtgggtg gtccacattn tgtttcatgt atttttattc tcngtttcat tctctttnta 300
 taccctcttt tgacgtgttt aagccattta tttaagtcac ttctcgctta atcntaaaaa 360
 taaaataaat t 371

<210> 6198
 <211> 307
 <212> DNA
 <213> Glycine max

<400> 6198

tattggcgat cagaatagcc attccttgga ttatagggtt gaaccaact catgctttta 60
 ccacaagggt catcaagtca agttgaaata tggaagtaac cgtcttgcta aattggggcg 120
 aaagatgaat cgagtcacat cactgcttcg tctactgcca aacatattta ggattgttga 180
 tgtccttggt acttccaggt tcaccttgac aaaacggatc atgttgaaaa tctaaattga 240
 ttcagcccca tatcctgcgt aaaaattcgc aataactcaa ctgtacatca ttgcgatgca 300
 tccatgc 307

<210> 6199
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6199

gctatgctgc ntatattaca atagaacttc cttcacctca gcagcanaat caaccacagc 60
 agaacaatta tgacctctcc agcaacaaat acaacctgg atggaggaat caccctaate 120
 tcagatgggc tagcctcag caataacaac agcagcctgc tcttctctc caaatgttg 180
 ctggcccaag cagaccatac attcctccac caatccaaca acagcaacag cccctgaaac 240
 agccaacagt tgaggctcct ccacaacctt cctcgaaga acttgtgagg caaatgacta 300
 tgcagaacat gcagtttcaa caagagacca gagcttccat ttagagcttg actaatcaga 360
 tgggacaatt agctacacaa ttgaatcaac aacagtccca gaattctgac aagctacctt 420

ctcaagct

428

<210> 6200
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6200

gtgtctttca tatggctatg aataggaata gcactaatct cttccatgaa agccactgct 60
actccatcct catagtcaaa taggcgcctg ctccacttca gatcccagct ccaagtattc 120
tgagaaaagc tgcccatcct ggaaataaga tcattctgct gcttgctgat cagaaaaagc 180
tgattatatg tctgctgaag gttgcagtc tccccagcc aattatcttt ccaaaccta 240
attntttccc cacatccaac cttccatccc atattctgat ggatagtact gaagtcattg 300
cgctgattta actttctaag atccctccac catttagaat ccagcaatg gactctacca 360
ttttgtagag ctgaccacc ttcatgggtg gaatttaca ccctgacca cagttgattc 420
tga 423

<210> 6201
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6201

agcttcttat ccaaggctca tcttggtggt gaagctcctt cttccatggc ttattcccta 60
gtggatggcg cctcccttct cctcttctcc ttgctctcc gctgcatctc catggtgaaa 120
aatcaccatt gaaggacctc attgaagctc aaagatccag cctccataga agctccacaa 180
gcaagcttcc atcatgtacc cctgccaagc actttggagg gccctcagtt ntgcccacaa 240
ccacaaccct tgcattgtgc aatgggaaga atccctctg ctatggcaga gaagggaag 300
ttggatcata t 311

<210> 6202
<211> 85
<212> DNA
<213> Glycine max

<400> 6202

agcatgagag ggagtcgcca cttcattatg ggtaacttag ccacttggat atgcgcaagg 60
caatgtccta ttgcactatc cacta 85

<210> 6203

<211> 450

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6203

agcttctatg gaagctgaat ctttgaactt attgaggtcc ttcaatggtg attntcaacc 60
atggagttgc tgcgaaagat aaaggagaag aggtgagcgg aggtgccatc cactagggaa 120
taagccatgg aagaaggagc ttcaccacca agagtgtctt ggataagaag ctttgagagg 180
aagcttcaat ggaggaggag aatgagagag aaagaggggg gcacgaaatt gaaagagaaa 240
aaaagggaga gaagttgaac tttgaagtgt gtctcataag tttcacattc atcaaagttg 300
taacaagtgt tacaaatatt tctatttata gcctaggtca ctaactaaat gaaattcact 360
ttcatttcat gtgaatctaa gaggaatatt ccaaggatat gccanaggca tattagcata 420
ttccaaanat atgccaaaga catcttaaca 450

<210> 6204

<211> 375

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6204

cataaacaaa aaagaattgt gtggttgatt acacaatgac taacattata tcattctaca 60
gacgaataaa caatttatgc acttagtctt ttctctcaag aagaacaaag tgttntgtga 120
gtttttttaa actttacaag aatttacaca aagaactttt acacaaagaa tgaaataatg 180
agcgcttcan attgtacttc atatcttcaa atcttttggt ttatataggt ctctttcaat 240
caagtatttg ttgtctctaa atagacatat ttcctctttt aagctcgcat ct. gaana 300
tggtcattgg gcattcgatg cacgtacttc ttcattgtga gaaaccaatt ntcacgttg 360
gtgtgtgaac actat 375

<210> 6205
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 6205

agcttgccac cattccagaa aatgacaatc tttctacaga ggaaaacact actaatgaag 60
 gtggcgagc ttttgttgat gctaataatc aaaacatttc caatgaagcc caagcaaaca 120
 ctgagcaaga aatggagagg aagtttaggc ggtatgtata tggtatttta acatgcaggc 180
 ataattaata tacacatatc aagaaaaatt aaaattaggg gcaaatcat ttatgtatat 240
 ttttttaaaa caattgtctt taaatatttt gtgatttcaa tattaataat gaaaattaat 300
 gttcgtctgt aaatttagtc tctaatcgtt tgtttttctg tagctacaac tatgaaaatt 360
 attgcatgtg tgtgtatcta atataa 386

<210> 6206
 <211> 297
 <212> DNA
 <213> Glycine max

<400> 6206

acagcagaat aattatgacc gttcgagcta ctgatacggg ccatgatgga ggaattatcc 60
 taaactaaga tggactagtt ctttacaaca acatcaacct gtccctccgt tccagaatgt 120
 tgctagtaca agcaagcctt atgttccctc tacaatgcag caacaacagc tgtctcctca 180
 tagactacag gcaactgagg ctccactca acctca gaaagt 240
 gaccatccat aatatgcaat tttagcgaga gacatgagcc tccgttcaga gactga. 297

<210> 6207
 <211> 317
 <212> DNA
 <213> Glycine max

<400> 6207

agctctgagg gtgcgtagcc caccatcttt tcatagtaga gtatcgataa tgtgtctacc 60
 atcacgatta tcgtctccct ttccatcatt gggggtagca cctgtgacgc cagatccctc 120
 cacctttggg gtgtgttctt cgaaagatcc gtcccttgt ttgcacatgt tctgtagttg 180

catcctatcc ggaaccatat cagaatagta ctgatactgc ctaacgaagg caaccattag 240
 gtccttccaa gtatggactc gogaagggtc ctcgttaatg taccaaggaa cagctacccc 300
 agtaagactt tcttgga 317

<210> 6208
 <211> 416
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6208

ctcagcttgc ttctacatat gatgttctag aataattgag tatcaaagt ggtaatcgat 60
 tatttcgtca cagagagctt ctaaagtgtc caagcgcaat ctaatcgatt actaaatgtg 120
 gtaattgatt atctagagcc acaaagcctt ccttcttcta aaatgggtta tattatcgat 180
 tactaaaact ggtaatcaat taattcaatg acttttagtca aatttcagaa agaagttagt 240
 tttgttgctt gttctaacac tgtgtaattg attaaataac cttgtaattg attatactat 300
 gttgaactca ttatttctaa gaaactttga gatcnatcca tctatctatc tatcatgttt 360
 gattcatgtt gaaacttttg gcaagcgtag caattgttgt ataggtttac atttat 416

<210> 6209
 <211> 350
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6209

gctaagcgag cttaactnta tctatcttct tcataattcc tgccgctcaa gcactaanaa 60
 tgactcgctn gagaaaggca tggcaatgtc tcttcattct gattatgact tagcttgctt 120
 aagcgacaa catgccacac ttaagcgaga aggctcagtt tcttttagctg acttaaattc 180
 ctataagaga actccatata aacatcaaaa agtctaanaa acttcaaate ctaaggttct 240
 tatgtaatta attattcata cttcaacctt atcttaaggt agaacaagc tatatgtatc 300
 ataaatgtca gataattacc tcaaatcata tgtgaaatta agttctattt 350

<210> 6210
 <211> 379
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6210

tgctacccag ctcgcccagg cgagctcagc tctaccaagc gaggtangtt gcttcctcca 60
gaagcaaccg ccttctggag gaatattctg gaaggcctaa gtgggcctga ttgctatttg 120
cacccccatt atttttaaat acaccccctc gctttttttg gtgattcttt ttccgtaacg 180
ttacgaaact ttacgaattt cgtaacaatg cttttttttc ttccgtaat gttatgaaac 240
cttacggatt acgtagtcac ccctttgtaa cttttcagaa ggtacagaaa tttatgaatt 300
gtgcactaac actttctttt aatttccggc atgtcacaga acttcacgaa tggcctaacg 360
atggatgcca agtaccttg 379

<210> 6211

<211> 398

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6211

agctnttcaa agccaatttc atcagagaag tcaggctactc tacttgactc gccatcgctc 60
tcatgggtcaa aatggccaat ggcaagtggc gaatgtgcac caactacacg tatcttaaca 120
agctagttaga tggagcgtcc gagttccaag tactgagctt cctggatgcc tacacatgat 180
acaattagat ccggatgcat gccctacatg aagagaaaat gacattcatc tttgaagatg 240
ccaacttctg ttatagggtc atgccctttg gcctataaca tgtaagcact acataactaga 300
gagtgatgga ccatantatt caatagcaaa ttggatgaaa tgtcgaggtc tgcgtcaatg 360
acatgggtcat caaatcacat accactagcc cacatgtg 398

<210> 6212

<211> 327

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6212

agcttatgct cggatatcan aagtttcgtt atgagcaagg ataacttctt atgtacttgg 60
atgtagaana aataacaata aagtaaacc atgtttatgc tatgagaaac ttctcttata 120

attgtaaggt tccatgaatc taagggtttt ataaacactt tggatgaatgg agaaagggtta 180
gctctaattc atagcggttt ggctaaggaa gactattcaa aatctggggg attattctta 240
agagactcaa ctcttctaatt ctccatcta ttgggtgggt ctcttccttg caaggggctc 300
cttcaaatga agatccttaa atatacc 327

<210> 6213
<211> 390
<212> DNA
<213> Glycine max

<400> 6213

tctccacttt acatccaacg catgagttct agtcaggata agagcaggac atcacaatca 60
ggacggattt ctttcaaggg gtatttatct tctttatagt ttagacaaaa ttcagctctc 120
atctttgaac tatacttact taactgactg ctaaaaaata tattttgaat tgaaagcttc 180
tgtgttttgc atacatttga ttcacaagat atatctccta ttgatttatt gaagaatgtt 240
tcccttacac atttaaactc attatttgtg cgtgaaatgt tttccattct attatagttt 300
aaaagggaga tctctgagtt ctgcagagga gaagtcata gttgaacctg aggttttgat 360
gaccaaggaa atagagtggg ctaacaattt 390

<210> 6214
<211> 383
<212> DNA
<213> Glycine max

<400> 6214

agcttccttg ctagcctctg actaccatgt tctctgcttt agtcattgac attgccacag 60
aagactaaat tatggacatc caacaaacag acccaccttc aaaagtaaag acatacctta 120
ttgtagacct attgtacct ttaggtacct taagatctac ttcaatgctt tacaatgttg 180
ctttcatggg tcaaacataa acttgcatac ttgacttaca atgtgtcaaa tctgatttgg 240
tgcacactat aacatacatc aagcaaccag ctgtactgac atataagaaa cctatgacat 300
gtactccacc ttagtatctg tcttcagacg ttgatctaaa aaaacttaaa agtgttttat 360
ttcaaatca caagtggagt tat 383

<210> 6215
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6215

ntagatacaa atacagcgtg tattcttata ccagcagaat tttctgccac tgaaactcac 60
 aagaattggt aattagaaat tcccacaata tgaagtaggt gtgtggaaac atatacaatt 120
 attatattca agataacaag aaaagtattc aaggataagt tatctatctt taatagccat 180
 tcttttacta tataattcat atgctggaca agtgtctatt ttttgctcat acattctgta 240
 taggttgga tcctttccaa aagttctacc ttgataatat attccatcaa ctacacataa 300
 acccctaata catcataagt ttgtccaaag tctcagactg gtgttcaatc attgctgaca 360
 taccaatttc aatggtcaca aagaagattg ccactatgga gaacaatgga cacaacttgt 420
 tcttcagcat tccatttaac ata 443

<210> 6216
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6216

tacttatgtg gcagggcggg ccttcttcac tctcttgtct ccaacgcgag ctntgaccat 60
 cgctcttctt tgccgcgatg cttctcttca tatccgcctg agcgggctta tagcctaaac 120
 catacttccc actatttctt ttggcattta tcaggctagt tatgccgtcg ttgtctttgc 180
 ctaaaccat tccgggttcg taaccgttcc ccaacataac tcggggccatc attactgctg 240
 catcggacag gcaaggctgc ccaaagaagg agtccacgga ggaaatgctg accacctcaa 300
 aagactggaa agcgggttct aatgattctt ctgcggcttc tacataaggc atagaggatg 360
 ggcagctcac caagatgtct ctctcgctg acacgatga 399

<210> 6217
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 6217

tatacagata tacatatttt ccagcaacat cttgatggct ctattcaata caacatacat 60
cacatggaaa tattagatta cagccagaca caatgcatag atgctactgt gttgggtgct 120
ttgctacatt gccacatgat tttctggtac aagaactggt tggaggggat caaattcaat 180
aaagaatgtc cgaatcttca tcggagcaag ttcaaccacc aacttcgtag gatcaacagg 240
tctctctctc accaccttcg gctcttcaga ggagccttct accttccaat ctagcttctc 300
cttttccatt tgagctcttt cttgattagc agacaaactc atctctgtca ctttattgat 360
ctgaaaagat tgagtagtca aaaggaaact atacatgagt acatgatgtg tgaaaaatac 420
taacttgga 429

<210> 6218
<211> 440
<212> DNA
<213> Glycine max

<400> 6218

atcttcttgc taagccaatc tgctatctta gtgagcgtcc gctaagcaca acactcatgg 60
gctaagcgcg aggaagactc tggaagaaga tgagttgtac aggttcacta agcacattgc 120
tttatctcac taagcgcacc acttcagtc atccactaag tgagaaaaggc acgcgctaag 180
ccaaaattca ctaatgtgcg ctaagtgggt cataattgcy cagagcgcac gagcacgaac 240
aaggccacct atttaaacca gaaatcagat tttgtgaagg gagtttgggc tgggattcag 300
agctttgcat gtctagagat tctagagaga taaaggcca agttctagag agttctgaga 360
gattttgctg tgtgaagatc tgtagagact aaagctggaa gcatgagccc gggttagagc 420
ttgagatgag cttgtgagt 440

<210> 6219
<211> 396
<212> DNA
<213> Glycine max

<400> 6219

tcaatggagc tggcatcatt tactcagccc cctcacgcct atttatagct taaaagggca 60
cttggtggac ttgcaactcg ccaggtgag ttgttgcttc actctaaagt aacttggtc 120
gccaagaga gctgggttact tcaaccctaa gccatttggg ggcccaggcc agccagaggc 180

tatccaaggc gagccaaggt ccaaaaaatt gcttggaaatg accctttttac cctccctttt 240
 gggattattatc tgcatacctta accaaaacgt cgaacgatct ttcgtcttgc atggtaaccg 300
 atgtcgaacg gcttaattcg gctagcgaga atcaaaatat ccacgaatga tagtccctgg 360
 acgaaattag ggtctgacag tagcaaagga tatata 396

<210> 6220
 <211> 130
 <212> DNA
 <213> Glycine max

<400> 6220

agaaactacg ctgctaccat ggagctccta aatctcccac actggttggtg tgtccattct 60
 tggatgacct tgatgttgtc aggggtccact tggaccccat ttctaccaac gacaaaccct 120
 aagaaaaata 130

<210> 6221
 <211> 162
 <212> DNA
 <213> Glycine max

<400> 6221

aggctacaca atcggagaag aacttgacgc ctgcacaagg tgagagcata ccgatccatg 60
 cacacggccg actccaggtg ggaagagtcg agcaccctta cactagccac tctttacgca 120
 gatactcgag cataactcata cgtgattcta tgctcgcggg cc 162

<210> 6222
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6222

tcacgtactg tctcgtgggg ggtatgaact gctngacaag anacttatgg aggagaagag 60
 caagcgtgga catgaggaac attcgtgtac tgaaagccca aactcaacg tcgaccacc 120
 atccccagtt gcaagacact tgaagtggaa gatcgcccg ctaagcggc atggccaaat 180
 gacgtctgaa gtggcacaag aaattgtaga caaaattgtc agttcatata tttttttggt 240

tactgtcatt ggcaaataat ggtagctaa cctagtcaaa tttgttttat tcaaattcaa 300
 caattgtata tgcattgcagg attcattaca ggaacaagca acacagggga gt 352

<210> 6223
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6223

aaaggtgttt tgatgataac atatgatgac aacanaagat gatcacaag gtgatgaaca 60
 aaaagctcaa aagatcaaag aacaactcaa gtgaatcaaa gaacatctca agtgaatcaa 120
 gaacaagtca agagttcaag aatcaagaag aattcaagac tcaataagaa agcctagaat 180
 caagaatcaa gaagaattca agactcaaga agaaaaccta gaatcaagaa tcaagattca 240
 agatctcaag aatcaagatc aagattcaag actcaagatt caagaataaa gaaaagactc 300
 aatcaagata agtattaaaa ttttttttaa aactttgaat agcacttgag ttttttacia 360
 aacctttacc aaagagtttt tactctctgg caatcgatta ccatattgtt gtaatcgatt 420
 accagtagca aaatgacgtt gag 443

<210> 6224
 <211> 307
 <212> DNA
 <213> Glycine max

<400> 6224

cctaaagaag ctagagctta gctacacaca cttctctaag agctaagctc acctccttga 60
 gatgagaagc tagaacttag ctacaccccc cctataata gctaagctca ccgccatggc 120
 aaaatacatg ataatacaaa aaaaaaagcc cctactacaa agactactca caatgcctcg 180
 aaagacaagg ctaaaaccct atactactag aatggccaaa atacaaggcc taaacagagt 240
 gaaaaaccca tactaatatc gacaaagata agcgggctga tacttaggcc aaggcggtta 300
 aatctac 307

<210> 6225
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 6225

gagaacaata tctgtatgaa cagagaagag ctgtgtatcc acgaaaagct gtttagcaca 60

agacaacaaa ggagaaatcc gcattagtaa tatgagaata aatacctaag aacatgaagg 120

caatgcaaag atagaaatgt gtcaataaat tacacagata agcatgccta aattatttaa 180

tcacgctgac aaataagtac tgtactacat ttaatccgag tataggtata aactactgct 240

aattatacaa attcatttgg ctctctacac agatatgcag tagagaaatc aacaattaca 300

tccgtctaca cgtcagaaaa agttaattac cctagcaaga actacatgga aatccagctg 360

agcaagtagc 370

<210> 6226

<211> 180

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6226

gaggttntga ttgatcaaaa agaagaanct acttcatacc gatatgccct taggcacggc 60

aatacataac atagaaatca canctcgaaa ggggtggacca atagctagag cagcaggtgc 120

tgtagcgaaa ctaattgcaa aagaggggaa atcggccaca ttagaattac cttctgggga 180

<210> 6227

<211> 477

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6227

nggtgtgtaa tgatcatgag cattgaaact aagcttgcct tggttagaca tgattgtgta 60

catgattcgc gaacnggtagt attcaatttg cgaaaaattg gatgagggaa agagtgggtt 120

tcgtaatccg cctccaggca gacaactatc ttgaataaag cgggtggaata aacctattgg 180

gcgaggcggc ccaccgcgct catgaatcat accccgggat ggccgccccca atctactcgt 240

gaatttnaga aggggacata ttagatcaa cgtcttcac tcctctctaa acctctcgta 300

tacattcact ctccctacac ctctccatt tctcttcca ccccccccta ctcacctcat 360

tccactctaa catagctcct cgcttgcgct aatccccacc ctcttctctc tctccacct 420

attctcctct gatctctctc tccactctc ctccactaac tccacgctgg cgctgac 477

<210> 6228
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6228

cttgtgtgta aagagtcaca acttanaatt cttttttcaa gtctaaagag tcacaactct 60
 ttagaaaaat aattttgtaa tcaattacac cattttaata atcaattatc agtaaggaat 120
 tttcaaaaat aactcccaac agtcacatct attcaaagt ttttgaatgg ccatcaaagg 180
 cttatatata ggtgacttgg gacacaaaat ttctcaagag tttttactgc acaaagagtc 240
 tcctcctctc aaaaactaaa ttatcttctc ctctaaaaca ttctttggcc aaacacttgc 300
 aaattcaata aggaatcttg agtgatcttc aattgttata tctttatctt anaagagaga 360
 attcttcttc ttctcttctt tattcaaaga gattgattaa gggaccgaga gtctcttgaa 420
 gttgtaaaaa ttcttgacac 440

<210> 6229
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6229

gctacacaaa tccngtctaa tagctaagct ccccccatg cgcaaaaata catgaaaata 60
 aaaaaaaagc tctactaca aagactaccc aaaatgccct gaaatacaag gcttaaacc 120
 tataatacaa gaatggccaa aatacaaggc ctaaaagaag gaaaaaccta ttctaattatt 180
 taaaagata agtgggctca tacttagccc atgggctcga aatctaccct aaggctcatg 240
 agaaccctag ggccttcctt tggatctctg gcccaattta cttagagtct tctatccaat 300
 gcccttaciaa ggtagaattg catcagtagg gtcggtgctg cttaccctca acgatca 357

<210> 6230
 <211> 317
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6230

agtaccaaga agagatacgn ctagcgacgt gttatgagca tataatcgcc gacgaatatg 60
 cccaagtata ctcggaaaaa gaggctagag gaacgggtgat tgactcttta caccaagagg 120
 caaccatgtg gatggatcgg tttgctctta ccttgaacgg gagtcaagaa ctttcccgat 180
 agttagccaa ggccaaggcg atggcagaca cctactacgc cccgaagaga ttcattgggct 240
 tctcggtat tgtcagcata tgatagactt aatggccac ataattagca attcgtagga 300
 tacctgtatg gtctctc 317

<210> 6231
 <211> 329
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6231

taatatcacc aggaactatc acattaacaa aatcacagcc tctaagattt cgacanatta 60
 ttaggtagcc ttgaagcatt atgtttttat gattctaate taccattctc tntatatata 120
 atacataact atatttttta atttgtaatt tatttataat attcaattat gttatgtaaa 180
 aaaatagtta aaataattaa cattataatg attttagact atctaataat ttctagtaag 240
 attttaatgt ataacanacc tggaagcaca gaaggctacc acataatccg tcccagaaca 300
 agtgaaaata ctagttggat catcataag 329

<210> 6232
 <211> 472
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6232

ctacattcan atgcaaggat aaaaagactt gattgaatgg acctctcatg gtctcaagtg 60
 tgtttacaac tcaataatca tataaccttc agataaactt tgcttaagaa acaaaaactg 120
 aggtttgtaa gttgtaaaag ttcattcaaa catttattgg atctgagaac acaaggtggg 180
 tatatataga gaaaatagtt ataaccatct gtaattgatt aaattggcaa tgtaattgat 240

tattacgtga aagtaatcaa ttatatatttc caattaatcg attaaagtgt tcttccccaa 300
 ttctagaaaa tataattgat tattttcaca taataattga ttacattgcc aatttaattg 360
 attaaagtgt tcttccccaa ttttgaaaa cattcaagaa caatgtaatt ggttaaagtt 420
 ttcttaatca cttctaggaa cactntcaag aatgatgtaa tcaattacta ta 472

<210> 6233
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6233

ggctctctgcc agtgaaagga tcggtgtggg tcttatataa ggcaaattta gtcacccctgc 60
 ttggacgaat gagaaaactg gggcaaata gaaggggtgag gatgaaggaa aaacccatgc 120
 tgtgactgcc attcctatac agccaagttt cccaccaacc caaaaatgtc attactcaac 180
 ccttctcctt acctaccgcc catttatcca caaaggccat ccctaaatca accacaaagt 240
 atgtctaccg cacttccaat gacgaacacc accttttagca caaaccaaaa acaccaacca 300
 aaaaatataa tttgcagcga agagcctgta ggattcaccc caaattctgg tgtcatatgc 360
 taacttgctc ccatacttac ttgataatgc aatggtagcc ataaccctg ctaggttccc 420
 tcanaccccc atttttctga ggatacgact cgaacgcaac atgtgcata 469

<210> 6234
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6234

tgtctcagcg tttatgagag acagagacca acatgttagc tattatcgcc aagtagcaag 60
 aagagttang tctagccacg gccacgagc atagaatgc ggacgaatat gcccaagtat 120
 acgcggaaaa agaggctaga ggaaggggtga ttgactctnt acaccaagag gcaaccatgt 180
 ggatggatcg gtttgctctt accttgaacg ggagtcaaga acttccccga ttgttagcca 240
 aggccaaggc gatggcagac acctactccg cccgaagag attcatgggc ttctcggtta 300
 ttgtcagcat atgatagact taatggccca cataattaga aatcgtagg aaacttgat 360

ggtctctcag accttgacta gatac

385

<210> 6235
<211> 215
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6235

catatcgnc a ctt aagcatc ggagtacttt gctctacaca gcccttcacc tcgtcgtaac 60
agagacatcc atgcgagctc acgagtaaag tctgataccc cataaaggtc tgacacccca 120
tgttgggtata gtcaatacgg atctgccgag atctcatatt taggtatgaa caacgtgtaa 180
gttatttgcg agctgcagcg agaagcctac attat 215

<210> 6236
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6236

caatagtgat ggtctaattg tcacttacat ctaanaatat ttatttcattg ttggcgtagt 60
gaacaatcta ccgctattttt ggcattttgt cgtagcgaga aataaattca agttctatgt 120
taaggtaaat agagacaaaa taatacccta atttatgtca tgtcttattt cttattttaag 180
atatttatgt tttttttaca tacatatattt gttttctttc ctttcaattt cttcataatc 240
aaattagaga aaagaaaaaa tccaataatt ttcttatatc attgaattta tacattaataa 300
tatcaattat gtgaatattg tgacacccat ttactacata gttaataatt aaataaacia 360
tttatctaan aatgaattat tgaattttaag actttcataa acatgtgaca aatgtcatca 420
catatgtaac tcagatatat actaaaact 449

<210> 6237
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6237

tataaagttt ccagacacia tctaactgat tactaaatgt gggtattggt atctcgagcc 60

acanagtctt ccttcttcta naactggctt tataatcaat tactaaattg ataattgatt 120
 aattcgatga ctttagccaa atttgaaata gaagtgactt tagccaaatt aagcaacaca 180
 tacaccaatt aacccttgt tcattaagca caaacataat ttaagcacat aggcaattaa 240
 ttgaacacga agtgtgcaca gattaacaga atgcatgtgg gttaattggt gaagggaaaa 300
 ccgataggag agcaacatta aaaatagaac ctcanagaga gttacgcttc ttcctcagag 360
 ggaaacaaca ctagaaattt agccttccat aagttcaatg aaagcagana acataaatga 420
 aactaaaggc agaaaacata aatgaagcta aaggcagaan acaaaaatga aactaaagg 479

<210> 6238
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 6238

atgttatcta tatttgttga atgtgggtgct ccataattat aatcgtactt catagtggag 60
 atattttgct ggacttggtc ccgtgggggt tttccacgtt aaaaatatct tgggtgttatt 120
 cttcttctct tactctccga atttattttt cttattgccc atctaaatca catagagagg 180
 gaaatttatt cttggtattc tccaacactt atgggtatgta gagtataata ccctagtga 240
 agcaaata tgtaacaaaa aaattataca acaaacagat agatgggtcat ttgaactact 300
 tagcagtata taatattctc ctgtgtaccc atagcaagca cttgcctcct actacttctc 360
 acatgtcgca cataacattg tctaaacaca tttatagagc cactctttct tataccacac 420
 tgccttaatg agaagca 438

<210> 6239
 <211> 230
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6239

tctaactntc taagttgtaa ttgcagttca gttatgatga catcngatta ttgcctattg 60
 gtaatgacta atgaatggta tgcgccatgt tttctttcgc ggcggtggng agtgttcaaa 120
 cggcgccact tataaagaag gggctaattg gctatatatg catcagtgcc tgcactctgct 180

ggatccaaat tctatcatat catttttgct ggcacctttc tttctcgtac

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<210> 6240
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6240

agtatgtctg atcattaatg atacactatt tttcatacac attgtttcaa gcaatgacta 60
atattattcag gtgtctctgc tttaatcgat taccatgtga tataatcaat tattttctctt 120
tctttaagta attcagatgt ggacaaaaac actntaatcg attactatca gtatttaatc 180
aattacattg ttcttgagtt ggttccagat attgggaaga atacttaa atcgattgc 240
gataatttaa tcaattactt cattgaatta atcgattacc tcgtagattt aatcgattgc 300
aggcggttat aacagtgggtt tctataaata actagctttt gttacttaaa aaagaattgg 360
agggttcaa ataacaaata tgggtcta atgagagatc 399

<210> 6241
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6241

acttaagtga ttattttata attttaatag ataaatgact aaattatcag ttaanaataa 60
aagttaaaga accaaatgag taatntaatc aaataattgt gatgtttgac aacactcaca 120
agacttatat attgtaattn tgataattca ttaagatata atggataata ttaattcttc 180
tcactttttg cattaaaaca ttctcactaa ttatttaatc ttttcttttt aacataaaag 240
gcaaaacctc gctagataga gagagaggac ttaaatttgt gttgataaaa ttactgtga 300
agcttattaa aatatttata aaaatcataa atcattttta caagcttaac aaaatacata 360
ctcattatta ctataatcaa ataagtttca tacaaactcc 400

<210> 6242
<211> 459
<212> DNA
<213> Glycine max

<400> 6242

gagagatctt cattctggtt taattgatta ctgattatctt gtttatcgat tacactattc 60
agttgagacc atgtctcatt ttcattgagtc tctactttaa tcaattacca agtgattgta 120
atcgattaca tcgttcttga aagtgttccc agtagtgatc aagaaaactt tgatcgatta 180
aatcaagagt ctaatcgatt acattgttct tgaaagcttt ctaggtgttg ggaagaacac 240
tttcatcgat taaaaatgat aatctaattg attacttctt taaaataatc gattaatgtg 300
gcaatttaac cgattacatg caattatgat tgttttctct atatatagcc accttgtgtt 360
ctcagctctt acgactccac attctagtct tcattcctga agcattcatg gttaaagtga 420
gtcattaaca tcttgtgaga tcaagaagag atccattca 459

<210> 6243

<211> 405

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6243

agctcgccca ggcgagctca gctagcccag gcgagtatgg ttgcttcctc cagaagtaac 60
agccttcttg agggcccaag tgggcctggg tgctatttgc acccccattt ttactaagta 120
caccctattg cctttttttt tgtgattctt ttttcgtaaa gttacggaaa cttatgaatt 180
tcgtaacgat acttgttttc tttccgtaat gttacggaac cttgcggatt acataatcat 240
cccctttttg acttacggaa tgttacggaa cctcactaat catccncttt tttgatttcc 300
ggtgtgtcac ggaaccttac ggattgtgca tcaatatctt cttttgtttt ccggcatgtc 360
ccggaatttc acaaattgcc taatgatggg tgccaagcac ctcac 405

<210> 6244

<211> 473

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6244

tttatcccta taaacanact ctatntttgt attattaatc ctttanataa atcttattat 60
agttatattt gaaaagaaat ttcattctaat ctctaacttt ttttcctaac tgaacaactc 120

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<400> 6245

<400>	6246
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<210> 6247

<211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6247

gaggtaccaa tcgttgctt tcgtcatgac cttgtaggat gtatcctatt gngtgagaac 60
 ttctaattctg cccctagggt cacttgaggc tcatgcacga tgccctcat tgccccagtg 120
 taaggctttg aggtaccaat cgttgctttg ttttcatagc ctcgtagtga ggaagaatga 180
 aagaaggagt tgattcttgc aaaaagaatt ttttcaagga cgagaaatag ttgaaggatt 240
 tttcgatgga ttaagtcaaa tgactcctat gtagaagcaa gatgttttga tgttntgatt 300
 atgccaaagg atcaagtgtc tccaagtttt attcaagaca agaatccaag aatccaagaa 360
 aatcaagata tatgatcaag ttgatctcta gaatcttagg aagaagtttc caaattgaaa 420
 aagcaaaagg tttggccaaa gaattctatc taaatcat 458

<210> 6248
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 6248

agcgcgtgca tggctcttta tattgtaagg ctgcttgctc aaggagcaag agaattgtagg 60
 ctactgaag atgggagaca aagaccaaca tgtagccat catcagcaag taccatgacg 120
 aattgtgtct atctcctgac cgtgagcaca gaggggcaga cgattatgcc cgagtgtact 180
 cggtatatga tgcttgagga aggggtgatcg actctgtaca tcaataggca ataattgtgga 240
 tggacacgat tcaactcttac ttagaatggg agataagagc ttactctagt gctagccaat 300
 gcctatgcaa tggcgggactc ctactcggac ggcgaggaga ttcacagact tcttatctgt 360
 tgtcagcata tgatagacgt tgtgacctat 390

<210> 6249
 <211> 269
 <212> DNA
 <213> Glycine max

<400> 6249

ataataaccg gaagtgaac gatataagga cctagagcag attggactga ggaagacaga 60

agattactac aatataatTT aaaggccaaa aatattatta catctgcctt aggaatagat 120
 gaatacttta gggtttcaaa ttgtaaaagt gctaaggata tgtgggatac aatacaagta 180
 acacatgaag gcacaacaga tgttaaaaga tctacggata acactctaac ttcgtgatat 240
 gaacttttac gatgaatgta ataaaagta 269

<210> 6250
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6250

agaggattga tggngacccg gtgttgagag aaacgatgag ttggtctacg tgggagtacg 60
 tgagctcagt tggaggtggg caacagggga tgcgcggttt atgcgcgcat tgtggatgtg 120
 gaaagcttgt tgtgcacat cgcccgaccg ccacctagta ccacatgtga tgggtgcccc 180
 ataattctac aagcttgaga tgaagaagtg ttgaaggggtg aaacttcctg ctcttattgt 240
 tgaccacata gtgcgacctg gagatatgtc gcgggtggta ggataccttg gggaccttac 300
 gtggggagct attgcctcaa accaagcttg accaatcgag acccaacccg ggcatagttg 360
 gtcactgaga acctgtgatg tacctataca tgcgagcttc 400

<210> 6251
 <211> 601
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6251

cattttacct tcaattcact ctctcacact ctattttttt tctttaatna tttntacnn 60
 nttnnnccnn nncnnacgca cccctctgc gagtgaaccc tgtanacacn cacacttang 120
 anactactca gcctgaggaa ctatggaccg ataagatacg tgagtgnctt gtttaattcc 180
 tgaacagacc gaccatcatg aggggagtgg attaccacta ctggaaaacc cctatgcaga 240
 acattataga agcaatagat ctaagtcttt gggaagccgc aaaacaagga ccatatgtgc 300
 cctctataat agccggaagc gcaacaatag aaaaacctat agcagattgg actgaggaag 360
 acagaagacc aggacaatat aatttaaagg cccgaaaaat tattacacct gccttaggaa 420

tagatgaata ctttaaggat tcaaattagt caactgcata agatatgtgg gataacaatac 480
 cagttacaca tgaacgcaca acagatgcta cagatctagg aataacactc cacctccgaa 540
 tataaacttt gtcgatgaat gtgaacaaac tctcaagaca tccgagacgt tccacacatc 600
 g 601

<210> 6252
 <211> 314
 <212> DNA
 <213> Glycine max

<400> 6252

gctcgcgact ggtacctttc ttgcttgccg aacttgagtt cactattgct accccataga 60
 gcttcgcgaa atttgatccg gtcatactct tccttgccgag ccctcttggt ctcttggtca 120
 agggctcttg cggtaattgc attctcttcc cgtaaccggg cacactcctt accaacgtgt 180
 gtagcggcca acttgaactt ctccttgga gttgtgcctt ttctaactcg cttctgagag 240
 cttggacttc ttcgaccaat tccggtgctt cacaactctc tatgctgacg acttttaact 300
 tggcgcgcca atct 314

<210> 6253
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6253

agctgattta gaggtttaag ggggtcaaaat cgagctacan agtctctatc ctacactttg 60
 aaaatttcaa ttgtggcatt tgagctctag ttntgtgttt agtggcccaa tggtagtttt 120
 aattggtttt tagttaacta aagtctcggt cggngtggtt gtgagtttct ggttttcagt 180
 taactaagtt ttaatcttta ccctaacatt tactttccct tcccctttga cgttgactat 240
 ttctttcatg gtgctcacac ttgctgctat ttccctctct ttgttgatat actctgggtca 300
 tcatcgttgt cgctagccaa tccgtgacgg tcatcatggt tgttggttgt tgggatcttg 360
 tcttgctcct cacctcacta ttttccctca cgttcttact tttccttcat gtttcta 417

<210> 6254

<211> 387
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6254

 tctctattat gctgtcaagg attctattat tacactgctc agaagttctt aaatggataa 60
 tataaaaatg caaaatattg tacaaggtag aactttcttat ttaacacata atgttaagaa 120
 ttaagctgga ttcttactgc agattatttc atcttctttt cctgggtattt ttataactag 180
 aactgattct tcttttttat aatattgcaa gctaggttgt tgaaaatgga acaggtttgc 240
 aactagaag ttggccaaa aagagagcca gtcctttntt atctaccatg gtccatggca 300
 actttgttaa tgtttctaga atggacattc cgatcaaagc attggaccat acatngctag 360
 aattgttgaa tgacagataa tactagt 387

<210> 6255
 <211> 442
 <212> DNA
 <213> Glycine max

 <400> 6255

 cttagaggtc caagaaagat gaatggaagt gtgagtgtga ctcataaaga cgagtgtggt 60
 atgatctgca tgacatggaa ggatgtgtgg gtgacagctt ccaatagaaa gaatggc c 120
 aaatcaattc ttcaagggct aactggttat gctaagccag ggcaactctt ggcaataatg 180
 ggtgcctctg gctgtggcaa atcaactcta cttgatactt tagcaagtat atacatcatc 240
 acaagttctg aagcttctga ggtctgaata atctcctgca tgatagtgga tcccttataa 300
 gcttcaaaca actttgttat tcaactatat tattaaatgt tagctttttt tot a 360
 gagtagccta aatattttac tatttattaa catatgagat acgacctcac caatctataa 420
 aagaagataa atttgaacta ac 442

<210> 6256
 <211> 145
 <212> DNA
 <213> Glycine max

 <400> 6256

 aactacgctg aatcggccta gtggaaaagt gcgaccattg aatttctatg agcttccgcc 60

ttcaacttcg tgcggtttat atgtgagtcg cccgaaccgc acacccgaga taaaagcgaa 120
gtgcatttca gaaagactag agcat 145

<210> 6257
<211> 390
<212> DNA
<213> Glycine max

<400> 6257

cacaagcaga ggcagataga agttgattgg atcctttatt taattattct ctagatttga 60
atatcacctt ttcaccatca gagttgacag tgtcattggt cgacggttgg caagtgcacc 120
ggatctcgca agtagtataa aacggtaaga actgagtatc gaactctcgg ggaacttggt 180
ttacttggtta aagatgtggt tcagtaagta agcgtcttgt tataaaagggt ttatgtgtag 240
tatggacaca tgtgtaaact aactaaacaa aggtaaataa aaggtagca gtggtgggtg 300
cgaaggtaga tggtaacat gttggtcttc ctactaggcg actgatgcta ctaaagatgt 360
tctctaccta acagtgttct tgtgttctat 390

<210> 6258
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6258

aactaagctg aaccaaaccg atgagagtgt gaacttaaac tgcgagtgta tgattagctg 60
tgagtaataa tctttgcatg aatctctgaa ttttagaatg aactgtataa atgaggacat 120
gatgaaggcc atgattgcac atacacaagc cttntgacca aaaagcttac cttgaatgat 180
aattatatcc ttgaccct ttttgagctg aatgatattg tcaaanaatt gaaccctgaa 240
cttaaataat tatctcaaga taccttggtt agattctagg agagcatatg gttcaaggaa 300
aatatacccc agatttgggg gagtggaact aattgggatg cacagaataa gattaagcat 360
cggcacacac aacacata 378

<210> 6259
<211> 228
<212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <400> 6259

aacttcctgc tnttaaatan tatcacagag aggnacctgc agataggacg cgttttatag 60
 gagacctcgc ccacgccagg tggcgtgcta ttgcccaaaa ccaagcttga ccaatcccgga 120
 cccaacccgg gcatagtcgg tcagtgagaa cctgtgatgt acctaagcag gcgagctcct 180
 gntagncaac atattaaagg aaatcacgac cacacagcac gtacgctt 228

<210> 6260
 <211> 385
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6260

tggaaaatct gggacttagc catggtagaa ngtccttctt ttccattgcc tccctcgccc 60
 agtaggatga tcatccgttg aggtgcttca ctctcgnga cttccagcta tcacccatgg 120
 tggaagaatt cgaagaaatc ctaggatgtc ctctaggggg aaggaaacca tacctcttct 180
 cagggttcta tccctcatta gctagaattt ctaaaatagt ncaaacttca acgcangaat 240
 tagaccgcca aaagcaagtc gaaaatgggg tggtcgggat accgagaaaa tgtttgaggg 300
 caaaagcaag aatactggca ggtagaaacg aataggcccc gttcatagaa cgtctcgcac 360
 tgttgatctt tggaggagtc ccttt 385

<210> 6261
 <211> 230
 <212> DNA
 <213> Glycine max

<400> 6261

agctatttta tgatgtgtcc agcactagaa ctaggtccct aacataaagg gcatgtgtgt 60
 gttgagttta tgaattcttc ctaaagaggc ttgcctggat tgaatctcct ttctatagga 120
 agatagcttc attatgagtt ttggcccata atctgatagt tccaataag agaaatttgg 180
 actagcttca ggatcatcca acaaaatatc tttagttctga aaggtcacgt 230

<210> 6262

<211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6262

ggtctatatc gacgactgct atgagcagga gacttggcgc tatgactcag aggacctgaa 60
 gttgggtgctg gatgtgttac cgttctatta ttactttaac gattcgggtgc acttttcgat 120
 aaagttcggg actaccctag atctcgaaca actcccaact atacaccacc catgattgta 180
 ccggtgcctg ccgagaacat tactaatcct atccctgttt gtactaagaa tcatccaact 240
 caaccaatc aaactcaaac ctataactcc aattctaggg aggaggcaca aaaaactccc 300
 gtagaccaca cgataattgg ttntgggccc catccaggat ataccttnga agggcatgca 360
 ttnttttagtg tncctatggt gaacgctcct aaagcctctc aatagcacc gttatcac 418

<210> 6263
 <211> 479
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6263

tctcgctgat acggcactat agaactcagc tgacaactat gctcaagtag attgcgaagc 60
 taaactcaat gnngatanaa ccaactccaag tccagaaaact tgtgtattct cacattctgc 120
 atagggcaca tcatcatgca ggggcagctg ggataccaag tttaaccaagg catctagtct 180
 accttcaagc ctctaagtt cagatgatgc tgatgatatt atggctactt catgccgtcc 240
 tctaatagacc acaggaacaa taactgcct gaaccgctct gccaaaactcc ctctttctcc 300
 gcccacaacca tcgacctggc ccccggcact tcaagacccc cccctccgcc caccctaac 360
 aaccccttg ctacagcgc tccctcgcta cattgcgctt gccctctcgc accctccac 420
 tccgcgttgt ctcttttca cacatcctcc ctccccctct ctacccttg gcggcagcg 479

<210> 6264
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6264

tacttctcac cagcatttct ttggttaaca ccaattatat tttcattcta gcattttaat 60
agatttgtat ttagaattgt gtatttatat tgattggaac agatatagtg ttccttttgt 120
ttttcttcgt tgagtttgtg ttaattaact ccacgttggtt attaattttt cttgattgta 180
ttctcaaaat ttcttagatt tggttctatc taattatcct ggacccattg attgtagaaa 240
gatattcata gggggtttag cgagagaaac gccgattgat gagtggtttc tatttgtatt 300
gcatnnggtt ttctttccgg gtttaccaat gagatttcgt gaattaacta attttttaaa 360
ataattttgt ggagcgcaat tcat 384

<210> 6265
<211> 270
<212> DNA
<213> Glycine max

<400> 6265
gagagggcca ctaagcacta gggtgtcaaa gaaactatct cacacaagct tctcaacgaa 60
gacctctaag, agagaatctg acagaagcta cctagtctat acatagaagc atgtgtaaca 120
cttgctggaa ctttgatgac atgagagtct tgagagacac aactcatagc tcaacttctc 180
tccctttttc ttccttcaat ttcgtgctcc cccctctctc tatctctccc tctttctttt 240
cctccattga aacatcctct ccaagcttct 270

<210> 6266
<211> 340
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6266

tcatgaattg agaggattag cattacgcct tgcanatcat ggagagttga ctcggctaag 60
tgtaggcagc ctttacttaa tattgcatat gtttaatttag ctattactcg ttattcctct 120
gctttttggc catgatcatc cagtactgtt ggtttaaagg tagcacatag atggaataaa 180
aaggactaat ttttgtttct ttgatatttt aaatttccaa ttctcttatt gaacttaaca 240
ccttcaattt atgttaaaat aataaaatga ctgtttgaga tggcatacat ctgtctttct 300
ttgggataac ttgtcttctt caactctttt attttaatat 340

<210> 6267
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6267

cttagctctg caattntnta gccatgacca cattgtcaac aaattatata aatgaataca 60
 tatgatctgt atgtctatca aattgatata atgtatcaaa tttttaaatt caaaattcaa 120
 atttaaattg agatagacta attttaaaca atagggggaa ataaaaaact taaaaataaa 180
 ttagtgtgac atacttgata cgggagaagt tatgtagctt atcatgaaag agagtgagta 240
 gttcctaata ttctcttggt caagagtga tacttttata aggggtgaatt tatgcatcca 300
 aatataacat gttgggtccc agtaaaattt taaagtgaag cttcatcatc ttgcatcc 360
 aacattgaaa cggttgggct ggcccatgca ttccagcttt aatagaagta catatgtgat 420
 attataaagt tggaaagcct acact 445

<210> 6268
 <211> 454
 <212> DNA
 <213> Glycine max

<400> 6268

catctaacgc gctttacccc cccagacccc ggtggacaca aatttgttta ccaaccacac 60
 tctcagagct ctcaacagct cccacgaact tctcaggaag cgccctatta atagaggaga 120
 gagggacctg agctctatct cgacaggaac acttctcacg gaaccttctg caagaagtct 180
 tctaataaga gatctcaacg acaccaccta tactataaat tcgcggcatg ggttacacta 240
 gcttgaacta tgatgaacga tagtcttggt agacaccact cagagtgcaa catcatctcc 300
 ttattgctcc taccaagacg agctcccccc tctctctgtc tctccctctg tacttgactg 360
 cattgaaaca cccgcctcaa gcttctaaat caggctcatc cggttgtaaa acaccatctt 420
 cctggctgat cccaaaagaa cgccctccat aacg 454

<210> 6269
 <211> 235
 <212> DNA
 <213> Glycine max

<400> 6269

tgctataaga gtaatgtccc actggtaaaa ctaactttcc aaatgtttgc cttcgcaaga 60
atggccccga ggaagcttgc ctcaaagagg tccaggaagg acaaggcggc cgaaggaact 120
agttccgccc cggagtacga cagtcaccgc tttaagagca ttgtgcacca gcagggttc 180
gaagccatca agggatgggc agttctcctg gagcgacgcy tccagctcac ggacg 235

<210> 6270

<211> 472

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6270

cgtgccatca ccatttggcc tanaccatt cggggtcat acctatccct caacataact 60
cgggccacca tcaaggaggc actagataaa cgtgggttgca ctggaggagc ttcaacataa 120
gcattgttca caatttctag cgcttgaaaa gatgtttcca acaactcttc tacagcttcc 180
acatagggtg tagaggatgg acaactcact agtatatctt cttccctga cactataacc 240
agttgtcctt ccaccacaaa cttcaatttc ttctgcaaca ttgacgggac caccaccaaca 300
gaatggatcc aaggccgacc tagtaggaaa ctataggcga ggtttatgtc cactacttgg 360
aaggttattt ggcagcgtgt ggcccaattt gaataggag atcgatctct cctctcatgt 420
cacaccggt accatcaaaa gcccttacca ccatggagct tggcctcatg tg 472

<210> 6271

<211> 288

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6271

actgagatgt ctgcttggag tactngcatt atatgacata agctgnaact taggggagag 60
atggttaggt atctcaatgt gtcactacac tgttctatct tataggactg acaggggttg 120
gatagttgct ctaccacgc ctacattgct accatgcagt tatgtggctg gtgtctttat 180
tgtcatgcta ttatgagaga cttgtgtgta aggcttataa cagccatttt cggatgattg 240
aatactatga gcaactctct cacaatttaa gcgagataca cgtgcata 288

<210> 6272
 <211> 269
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6272

caacttattn ttaattcttt tanaagattt ttcaagttgg ggtagtttt agttttctcc 60
 aatttttaat tntaatataa actcattttg aaagtttcat atcctatgaa attagtttaa 120
 gattgttttt gtgtggtggt gacaccaatg ttgtaggtga ttacaacatg gtgatggtgg 180
 tgccgatgtc gactgtggca gtggtggtgt caatattgat gacaattgtg gttttgggga 240
 ggatggtagt cctgcatac gtggtgatt 269

<210> 6273
 <211> 325
 <212> DNA
 <213> Glycine max

<400> 6273

ctaaagaaag catggatcca atagcatcag ggatttgact tagattgcag aaacttagat 60
 caaggtcatg caaacaagag aagctaggca aggaaggcaa caaacaacca cctgaatttt 120
 tagacctct agagtaggag aaatggaaag gtatgaatct cttgatgatg gaggaggatg 180
 ttgactggga ttgcatggca gtttcctga tattaggaat catggaatac tccttcatta 240
 ttgggttctc taacagttga ttactaaata tttttggaca accagagata tttagatatt 300
 ccagagaact tagaccctaa atatt 325

<210> 6274
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6274

tgtganaacg tacactccat attctaataa aaatgtctaa ttttattggt tgaaaatgta 60
 ttgatagcac ttttcaaatt caatactaaa accagaacat acttgggtctt aaatgcatat 120
 tgtattgttt ggtaagacgt tagctaagag tgaagagttg aaagaatgga gaaagtgcag 180

tgtgactctg gaatcattga ggcaactgcg gcactcatgt ggctcaacat c 471

<210> 6277
<211> 582
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6277

ctatgacgct cacgtctagc atanagacac acngtaccgc aaccgattnt actcaaagac 60
ancacacaan agccgacact aacatgaaac gcgccacana tactacagct ncccggccag 120
gggagagcct cttcaaccac aaagacatac atatttatat tcatgatgat acccgagca 180
cagagggcgg acgttgaag ccgacacaag ccaagaatgc gacgactagt ggaacatgca 240
aagctgagcc aacaaaaggc tccagcgatt atccccacca aagatagact aagagaagtg 300
gcgacaaca gaacgcggcc caacataaca acaacgagcg accgtaacca aaaagaccca 360
cctaaccacc aagggcgagg ggaagaaaac atcggcaaac acgatccaca gtacaacaac 420
ccaaaccgaa cagggggaag agcgggaacag aaaatcgtaa accgatcaca gtgcggaaca 480
aataccaga ccaaacaac tcacatcgcg agcggaccat aggatagagc cgcaaaatta 540
aataaaccta cactaccatt ggaactgaga cacgggcccc cc 582

<210> 6278
<211> 450
<212> DNA
<213> Glycine max

<400> 6278

ctcagctcgg gatgtatact gatgccaatg tttacaacca tttataccat attcttggtg 60
caatatgaca caggaagagt aagtggctgt tagattcctc aactgtatta cataaaggac 120
actaattatc ctttgagat aacatgattc ctctgacttg aaggttatct ctagtagttg 180
ctctattaat agacgcactc catacgaaga atttcacttg aggaagaacc ttaagtgctt 240
aaacagattt gaagaacgat gactcttgag atgcctcact tgtcatgata gtgagcttgt 300
gataggccga attcgcagaa taattcccta aggggtctagc caaccaaata cacctgtaca 360
tgctagaggg ttagctgtat aaccaagttt agaagaagga ccatcgattc atccactagc 420

ttctattccc aaactaacca gtcctttctc

450

<210> 6279
<211> 584
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6279

accaggcac tactactata tcgcatctct ctataactnt taaattaaan acctacgann 60
aacnncccn nnncccggtgt catgatacgc gccacttata cacagccccc ggctacgcaa 120
gaccagccat agcggccaag aagcttttct cgaacgagaa gaggtcacca gatgagggt 180
agatgaaata gacactggac cacacaatgt acgatgacag aggatgagac aaagcccaca 240
tgacacaatc tctagatgaa atacaacctg gatcgagaa cgattgagca gcaaacaaag 300
gatgacctct acaagaccaa gccaactcc ggatgcaagc ccgagagctc agcagacgct 360
cagcacatcg gagacaaaca caccagcatc gtcagggagc ccgaaggaga aactgcgctc 420
attaatccga caactcaggc taaacacgga gtgaaaagcg gacatagcag ggtcagaagt 480
cagaccaaca tatgacacat caccgtcgct gcgccacct atcgatggcg acgtgcgaag 540
aagatacgcg cctctggact atgcgcccac cttgccacct cccg 584

<210> 6280
<211> 497
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6280

agtgtcctga tcgcggcctt agactccgac gtcgactat tatgtggctg aatcggactg 60
gcgtgcgaac agttataatc tatctagcac tgacgacagc gttgggtgtt tgatatagac 120
ccattcaagc agttatcgc gcttatctca caccgtcaa ggggtgcgctc tgccatacca 180
tatgtggctc gaacactccg tgcacactca ttatcctggg cataactcact gccatagata 240
cgcatatcgg cgacaccatt gatgctgac attgagacct gcaaagcttc gcagaactta 300
gacagngtcg taacatatgt catgtccgctc aatgatcggc tatgtgtaaa ttccctgac 360
ctcgattcct acggagtgac gaggctcctt gattatctct ccttagccat gaagtgcgctc 420

tttcttgctgac gacagagtgt gaactttgac gatgaatcat tgtggatccg agactcatag 480
 gggtgcagac actctcg 497

<210> 6281
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6281

acctgtctga gcaatcttat gttctggttc tcaccttcat atcctctnga cttctccca 60
 ttacctgcaa gcaaacattg tgttctggag taggcttgct ttccacagac aagtcgaaat 120
 caatttttgg gtcttcaaaa cctaactcca gctttctctt ccccatgtca actatgcagc 180
 ttgcggtcaa catgaacggc cttcccaaga ttacaaggat gtcagtatct tcagagatat 240
 ccataaccac aaagtctgct gggaagataa aatgttttac cctgaccaac acttcaatca 300
 ctccacatga cctggtgatg gagcggtcag ctaattgcaa agtcattcga gtgggcataa 360
 tctncaacta ctccagcctt ctgcacatgg agagtggcat caaattaatg ttggctccca 420
 gatcaatcat agcctcttcc acatttac 448

<210> 6282
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6282

tcaccattag tgacgggaac cttactcttt cttatggagg ccactataac ctgacacatg 60
 cgagtgaggg ggctaccacc gggcttctga atccgataca gactcgtacc ggataagaag 120
 ctcaccacag caattgccat ggccactgct ggaaagacaa atccccaccc ccaacttaca 180
 gtagtaagga cccacaccac caaagaagca gcaacgcgac caccactatt tattgacaag 240
 cagaaccact ngaagaaaga gctcttgtgc tcnctctcag cttcatcagc atcacaatt 300
 gagtgcacca aagaagagac acaagc 326

<210> 6283
 <211> 342
 <212> DNA

<213> Glycine max

<400> 6283

tttccattgc actcaatgat gagatgtgtg cattatcacg tgaaaaagag gctaagcttt 60
gaattgcaga aagtagccgt tgggctaagc tcatcagttg ggctaagcgc ataaccacca 120
ctaagtgtag cattagcacg cttagcacac aggagaatct agcagagcat cagcatcaga 180
ggcgtgcgct aagcgtgaga tcagtgaagt aatcacagaa ggtgccttca gtctagctaa 240
gctagagact ggcgctaaac ccaatttcac ttactcgac taaacgcaag ggtggcgcta 300
agtgaacgg cgcgatatca aagcctatct aagcctatct tg 342

<210> 6284

<211> 465

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6284

actaagcttt accttttagtt taacccttag aacttcccgg ccaaattggt atatataaag 60
caatgttgat gttcaaagga cactttacat gcctttntaa tcaactgacc tacgcttgc 120
aagttctggt caatgttagg tacataaaga acatctgata ttaatttgat acctgacac 180
gttgaaattg caacagttcc ttttctttt ataggaatat agccaccatt cccaattctg 240
acctttgaga cattagttgg cttcaaactc ttgaataaag tcttatcata tgcctgtggt 300
ttcgtacaac cactatcaat caaccaactt tcaattgatt cactactcaa ggttgataat 360
ttttctttt atccttacct ttgatatgga tgattgcact attttcgctg cttgctggct 420
ggatcttcta gaanaaatgc tttntgcttt catcaacttc atgat 465

<210> 6285

<211> 424

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6285

cttgggggtt ttagttcatg acatggtttt ggagcctatt tgatcagtg gtcgacagtt 60
tgatccacat caccaccccc ttatctttct aaggcttaaa tatatttttt tatccctgca 120

agataacact tttttcattt tcgtccttgc aaatatattt tttttcgtct tagtctttgc 180
 aaaatgtgtt tgtttgtttt tcatccctaa agtacttttag ataccgcttt gaacagtaaa 240
 aaagtgtctt gaacacacac aaaaaatgct atctaaagca ctttaaggac ggaaaacaaa 300
 acaatcatat tttgtaagga ctaaaacgat ttttttttta tgtgaacgan aatgaaaaaa 360
 gcgctaaact gcaaggacca aaaatgtagt taagccttct tctaatacaa aagttggatt 420
 tgag 424

<210> 6286
 <211> 101
 <212> DNA
 <213> Glycine max

<400> 6286

cagcttgctt tctccgaacc ggcactatat gtttcgccct ccatcaattc aactcgacat 60
 gacaggaacc ttcccgtggg cgcattgagt gcaacattga t 101

<210> 6287
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 6287

tgtctgaacg tttatgccag acaaagacca acatgttatc cattattggc tagtaccaag 60
 aagaatttaa tctatccatg gcccatgagc acaaagaggc ggatgagtat gccctagtgt 120
 ctgcggaaaa tgaggctata agaagggtga tcgactcgtt acatcaagag gctacaatgt 180
 ggatggaccg agaagctctt actttgaacg ggagtcaaga actatcccga ttgctggcca 240
 gggccaaagc aatggtgaac acctacttcg ccctttagga gatgcactga cttctcatgt 300
 atagtcagca tatgatagac ttaatggccc atataattat gaaccggtag gaagtgtgta 360
 ttgtcac 367

<210> 6288
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 6288

agcttagaac atgcaatgtg agcagagact aattcgagct taagctgggt ctttttcttt 60
ctaggttgca tctttctcct cttccctgct tgactcttta cagtgccttg gtgtgggtga 120
atcactctgt atagctccta tggatatgt atatgtattg tttctgtagt tggaaatcat 180
aacttacaga aagaaaagaa gaatactagt agatcaacag tgtcatatac tcatattcac 240
tggctaggag aaaaactgaa aaagctttct ccatatgttg cttttggcag acaatccgat 300
ccttgcccag aaccgctgca gtgttataac caatTTTTTT taccttagaa taatacaata 360
aatacaatat gaacattaca gtcagtgcct ctgtgagtgt ttttaccgct tttactgatc 420
tcc 423

<210> 6289
<211> 613
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6289

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attccgctag ttatcaaact cattaaataa tatagcaata taatattgaa ctaactaggg 120
tggaaaattt tcttactata aaattgcgtt aaactttaac tctaaactaa caagtatata 180
aataaactaa cgagtatata tattatgggtg tcaatatttt taattttaag taaaatttaa 240
aaggatataa taaaaataaa aatgttttaa tttataaata gaacatgttt cacactatat 300
aaaaaataaa acaattaatt tgagcatttt aaaaaatta cttttcaaca gtaaagccac 360
atgttgaaga aagagatcat cacttttaat accatacatt tattttatta taaaaggac 420
aatagaaata caacacgaag aaaaatcatt aaagcaaaca attgctatat attgtatggg 480
tatgccttgt ggggtgtggt tgcgtcaagt atttaagagt gattgattat atgatagata 540
acatcattta gaaaaaatac tttttntttt ctaagccaat tagaaaaata cttgacaacc 600
tacaactaag tgg 613

<210> 6290
<211> 423
<212> DNA
<213> Glycine max
<400> 6290

agcttctcaa ggaagccacc tagtctataa atagaagcat gcgtaacact tgttgtaact 60
 ttgatgaatg ggagtcttgt gagacaaaac tcaaagttca acttttctcc ctttttcttc 120
 cttcagtttc gtgcttgccc ctctctcttt ctctccctct ttcttttctt ccattgaagc 180
 atcctctcca agcttcttat ccaaggttca tcttggtggt gaagctcctt cttccatggc 240
 ttattcccta gtggatggcg cctcctctca cctcttctcc tttgtcttcc gctgcatctc 300
 catggtggaa aatcaccatt aaaggacctc attgaagctc aaagatccag cctccataaa 360
 agccccacaa gcaaactttc atcaactacg tccactaaag aagggtttgt gaggaatggc 420
 tta 423

<210> 6291
 <211> 624
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6291

ttctccacta agttgcctga tgccctgaaat gtcttttctg atggca in tccatagatgc 60
 aggaagaat ttctccatga acaccctctt aaggctcttc cagctgaaaa rgacctagg 120
 agcaaggtag tatagccaat cttttgtcac tcctctaga gaatgaggaa aatccttttag 180
 aaagatatga tcttcttgga cattaggggg cttcatggtg gaacaaaaaa tatgga c 240
 cttaaagatgc ttataaggat cttcacctgc aagaccacga aacttgggca gcaaattgat 300
 tagtccagtc ttgagaacat atggaacacc ctcatcagga tattgaatgc acaagctttc 360
 ataagtgaat tcaagtgcac ccctctctct aagagtcctt tcacgaggtg gaaattttagc 420
 catgttctca gtatgaaaat tagcagcgga atgttcaaaa c 480
 ctcaacagaa tgctcaaaat gcacataat caggga acactatgcc taactaatct 540
 atgaaagggt ctatctattn tatgatcaaa ggggtgtaaa tcacctagat tgcccctagt 600
 catgcactat atgcagcaaa tagt 624

<210> 6292
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 6292

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ttgttcaatg tgcagcatct cgacatatta tgcgctcgaa tcgaacatcc gagtgaaaag 120
atatgaccat ttgagtttct cgagagcttc cgtgggttcaa ttccgagcat ctcgacatat 180
tatgtgcccg aatctgacct tcgtgtgaaa agttatgacc atttgaattt ctcgagagct 240
tccgatgttt aatttcgagc gtctcaatat attgaaagcc tgaatcggac ctcaagtgtga 300
aaagttatga ccatttgtat ttctcgaaag ccttccttgg ttaaattccg agcatctcga 360
caatatatgt gcccgaaatct gcctttgggt gaaaagtatg ac 402

<210> 6293

<211> 563

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6293

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atggtgcctc ccctatcctc ttctcctttg ccttcgctg catctccatg gtgaaaaatc 120
accattgaag gacctcattg aagctcaaag atccagcctc catagaagct ccacaagcaa 180
gcttccatca cttttcacac agaggtcaga ttccgggcaca taatatgtcg agatgctcgg 240
aattgaacca cggaagctct cgagtaattc aaatggatcat aacttttcac acagatgtcc 300
gattcgggcg cataatatgt cgagtagctc gaaattgaac aacggaagct gtcgagaaat 360
tcaaattggc atacttttct acacctgcct cacattcngg cacataatat gttgagatgc 420
tcggaagtga accacgaaag ctctcgagaa actcaaatgg tcataacttt tcacacggat 480
gtccgattca ggcgtatcac atatacagac gtcgaaatt gaacaacgaa agctctcgag 540
aaatacaaat ggtcataact ttt 563

<210> 6294

<211> 360

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6294

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 ttcccacttt tatgaacctc tagacttctg tcaatccctcc ctattttatc tatattgtct 120
 tcattgctta gtatctcgac accttttctt ttcttcccag aagaaatatt aatacctgat 180
 ttggtaagag ggctctgagc tacttggagt gctgaatggg agctattatc aagaccatga 240
 ccatctaagt tacctttggg agacaagtct tgcattatgn gtgggtcttg cagtttcttc 300
 ccagaagaaa tattaatacc tgatttggta agagggctct gagctacttg gcttgctgaa 360

<210> 6295
 <211> 678
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6295

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 aggctctttt tcgttttagt tacttttttg ttttggagag aaagaataaa ttttaagtttt 120
 gcgattctag tttttacaat tcatatagca ataaagtttc gttttctgct tcaatctgca 180
 atctcgtttt ttgttgatta atggaaggct aagtctccaa cgttgttttc tcttgaggag 240
 gatcaagcac aactctcttt gaggttttat tattactatt aaattctgat caatttttcc 300
 tcttcaccaa ttactctgta tttgttgcta ttaatccatg catgcttagt gcttgattaa 360
 ttatctttgc gcttaattta gttcatgctt aattattagt ttcgttcatg attaattggg 420
 gtatgtgttg cttaatcaca taataacaac ctcatgttaa atttcgctta gtaatttaat 480
 ttaaggttgg agtaagtggg tgaactgatt aatgataaat tctcgtaacc taggataaga 540
 gacttacttg tgaatcaagg ggaaacaacg taatttaatt ctgatatttt ctaattaaaa 600
 attactcgct gtntaattta caaaaacaaa caaccccccc aattcgntat tggtttatta 660
 ctatctggtg tgaacgtt 678

<210> 6296
 <211> 482
 <212> DNA
 <213> Glycine max
 <400> 6296

cttcaagcca aggccagatt ctctgtcatg cagaggcttc tgaagaagaa aatgcca 60

ctcccccttaa aaaatttgat ttcaagctta aatacgtggg ttggtccgtg ctcacgtgct 120
tagcgcaaat ataaatcgct tagcgcgcat aagtggattt cggcttaacg tgcttctctc 180
gcttagcgga tgagctgaag tgggtgcgctt gatgacctgg agcgggtgcac tcagcgaacc 240
tgacagctca tcttcttctg gatgattcct cgcgcttagc cactgagtgt cgcacatagc 300
gaatgatcgc taagctagaa gattggctta tcgagaaagt aaaaaatagc atttttgccc 360
aatttgcta attaaccccg aaattgaaaa gaaattgatt atttaacccc accaaaacca 420
aaagttttta attatctatt acctatattt aatagaaaag tcttataata ttacaaaaca 480
ac 482

<210> 6297
<211> 596
<212> DNA
<213> Glycine max

<400> 6297

tattattatt tatacatact aacaataagg tacattaact tggtaaatta aattatcggc 60
gtaaatgtac atcaatataa atataatata ataaaatatt aacaatgttg ttaatggcgg 120
aaagccaaaa attcactata aaaatatggc ggatgacgta acagaaaatg acggatgtca 180
tggcgaacaa aaaaaaaata catatttata aagtcactga aattgaaaaa aacaatggat 240
tgcattcaaa taaactaaaa atgtttcatg agttcataca ataatcaatt atcaatacca 300
aataaactca ttaaagagtt caaaataaga aaatgataaa aaataaaaagg ggtgtcaa 360
atcaaaagga aaaaaaagct gcatacaaag aaaggggtgt caaacagcaa aaacaaaatt 420
gaaaaaaaaa aataaaagct aaagggcacc acttcacccg cgatgctgtt tgccttcatg 480
aaggtagtgg tcaccattcc aggcctcgtgc tcgcgccgcc gttccaagct tgtgctcgcg 540
tcgtcgttcc tgtcgggtgg tgcacgcgcg ttcgtgccga cattggctgc ggtcta 596

<210> 6298
<211> 641
<212> DNA
<213> Glycine max

<400> 6298

agctttgttt ttattttata tattatattt atataatctt atgtgttttt atcatattat 60

tcaaaactta ttttatactt taaatatata atatgaattt ttatctttta tttatatttt 120
 ttatataaat tataatttca taaaatgaca atattgtatt atctttttaa atatttagat 180
 atgtgattta atggcggtat tgtttttacc tatattaaga tattatcatt atttattata 240
 ataataatttt tatttatatt taaatttatt taatcaagta cataatttta aaaaaaaaaat 300
 aaattatata ctaaagataa gtaattaaat aaaataataa tattttctat ttttaaaaac 360
 atttatatat gtgatttatt gacattattt ttttatctat attacaataa ataacaccaa 420
 tatcttaata tagacaaaaa aatgttgta ctaaatacaca agtattattt taaaagataa 480
 atattatata ttataataaaa aaacttatat aaatatacct attctaattt atatgaaaat 540
 aagaatttaa tatttatata tttatatttt taaacatatt atataagatt tttaaaattt 600
 tattaattta aaaaagaaaa aatttggatt ttaaactatt t 641

<210> 6299
 <211> 544
 <212> DNA
 <213> Glycine max

<400> 6299

ttatgtaacc gagtaaatta ggatggctat acatgtgttg tgtatgcaat gaccatttgt 60
 cctgatatca atacatttcc aagtacaaaa ttgattgatg tataaagaaa gaactaacac 120
 atatactata atttccatac attcatgcta cctcgagcca tgtttttttt tctataacca 180
 cttgaaataa attgtcaatt ttcttttttca atatcaaagt cttcaattag gaagttttcc 240
 aaataaatca taagttatgt aaaagtgtca tattaatgtc ctgcattgac ccaaacttat 300
 taaaaagtta ttttcacatt aattttttac aactcaaat aatgcgcaat caacacaaaa 360
 tcgctatcga cccatacgaa ttgcatatta taatgacttt acggattcgt aatatgtatt 420
 agattcagca aaggacaatt atgtaattgt ccaaaatggc ttgggtgtcc aagtatattg 480
 gtgggtgcag taagcaaaat tggttttgtg atgaatgctt catttttaaaa ctgcaaactc 540
 tgta 544

<210> 6300
 <211> 521
 <212> DNA
 <213> Glycine max

<400> 6300

agcttttcaa cacaaaagtt agtcgtaa at gacgactaac aggatcccaa ccattttctta 60
cacactcaga acgacatata gaggggtggt tagccaacgt aactccgagt atgatgcaac 120
ctccttaacg tcaaacgtgt atatatagac ccagaggaaa tacctccagg taagttttac 180
tcttccagat atagacacat aattgggaaa tattttattac ttattagtgt actttaattt 240
tctttttgca tcagtaaact aatgaaatga ttggggaatg ggagataata tcaaatgtct 300
aatgtctact agccacacat ggagtataag aataataaaa agtaggttca tgttgtaaaa 360
taaaaaaaaa aagtatcatt tctttttttac aagtgtgggt tgtagtcact aatcagtcca 420
cgttcataca aaactaccac agctctatca ttgaccaatt caaatctaca cttgctttct 480
attcttcttt ttctaggttg gactggctac aacatgtcaa t 521

<210> 6301

<211> 599

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6301

taagaatatg gaattgaaca aagttaacaa aaatggtagc atgcagcaag cttcatgtgc 60
ttaggataca gtagaacatg aaagtttgta ttagagtcaa gttgcgaact caactcat 120
ctagactttt ttttttctga attctcattt agtgtcaact atccctactc taattttatt 180
tattatgttt taatatttaa tgttctatac tttttagat ttaattttatt gttttaaata 240
tactatagca atgtgtgtgc gcacacgaat ttatgcattt ttaggttttg tg taattttt 300
ttatcaacaa ttattaatat acctcctcta attgtttact ttttttttaa tccca 360
aaaagctagc ctccataatt ctatattggg ttatccgatt ttaacctttg .tatt 420
ttattgtatt ctcaatgtcc cttggtccat atgtctctca attgaacacg agagtaagaa 480
tgtgttattc tcgtaaagtt atgatcattg attcttttat acttgagtga aagagtaaac 540
acaaatatgt canatatcac atattggtat gcatggtcac acatatttca tgttctact 599

<210> 6302

<211> 344

<212> DNA

<213> Glycine max

<400> 6302

agcttataag aaattcaaact ggtcataact tttaactcgg atgtccgact ctggcgcata 60
atatatcgag acgctcgaaa ttgagcaacg gaagcagttg agaaattcag atggtcataa 120
cttttcacac ggacgtcaaa ttcaggcgca taatatctag agacgctaaa aattgaacaa 180
cggatgcctt cgaggaatac aaatggtgat agcttttaac tccgatgtta aagtcatgcg 240
cataatatat tgagacgctc gaaattgaac aacggaggct ctccataaat tcaaattggct 300
atgacttttc actcggagggt cagaatcgag gacataatth atgg 344

<210> 6303

<211> 359

<212> DNA

<213> Glycine max

<400> 6303

tccattgttc aatttcgagc gtctcgatat attatgcgcc tgaatctgac tttggagttg 60
aaagttatga ccatttgaat ttctcgagag cttccgttgt tgaattagga gcgtatcgat 120
atattatgtg ccggaatcgg acatccgagt taaaagttat gaccgtttga atttcttatt 180
agcttccgtt gttcaatgtc gaccatctcg atgtattatg cgctgaatc tgacatccga 240
gttaaaaggg atgaccattt gaatttcacg agcgcttcca ttgtgcaatt tatagcgtct 300
ctatatatta tgcgcgtgag tctgacattc gagtttaaaag tgatgaccat ctgaatttg 359

<210> 6304

<211> 567

<212> DNA

<213> Glycine max

<400> 6304

agcttcggct aaattagtct aaacttttgt aagctattta agctaagtct agtccaacaa 60
gagggatctg aagactaagc ttagtttaag ttagtctaaa cctaggaggg ttgtctaaat 120
taagcctagt ccaacaagag ggatattgagg atgaagcttg gattgattca ttctaactag 180
ggatcgaggt ttagtaattt aggctagaac ctagaaaaca aaagcatgat tgattagaga 240
aacatcttta tatacatcag ctggtttgtt agaaagaccc aacatcttta cgtactgttg 300

tcaatcttac ttacttgcac ttttactgtt tttagcgtag acttagttta attctattct 360
aatcatcaa ttatcaatgt ttctttcaac aatgccttat ttatgaattt aacctgtct 420
aagactagtt ccctgagttc cataactcaga ttcatccatt ttaattttta atacttgacg 480
atccggtgcg ctttctcgca aaccgaattt cccttgaaca tatttgtata aagaaaaagt 540
ggaccaaaaa gtaactgcag gggaaag 567

<210> 6305
<211> 616
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6305

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atggcgcttc ctctcacctc ttctcctttg tcttccactg catctccatg gtggaaaatc 120
accattaaag gacctcattg aagctcaaag atccagcctc catagaagct tcacaagcaa 180
gcttccatca agtggtaatc agagcacaag agctttaagt aggtgctcct taaacctcca 240
ttaatctttt actttacctt ctcttccatt gttgtttctt ctttttctc catgtatctc 300
ctcacatgtc ttgtgctaaa tgttgtttagc atgattcttt agagtttcca ccgattaaac 360
ttgctataga agctagattt gatttttatg gttcagattt cttggtcttg ttcttgaacc 420
atgaattgtg ttaagtttag gttcctttga gttttgtctt gttatttttt gtggctgaaa 480
cctaaaccat anaattctta caaatatatt aaagtagaag aaaacctcaa aaatctagag 540
tgacttggtc acctattgta gttctttcat agaagtcattg tctagtcattg aaacttgta 600
cataagaatt cttatg 616

<210> 6306
<211> 504
<212> DNA
<213> Glycine max
<400> 6306

agcttataga tgaactacat ctgtatgatt cttacggatg aagttcatcc gtatgaagca 60
tacagatgta ttacatccat atgcattggt ttttttccag aatatttatt aaattttgaa 120
aaatttagat ttaataacat tattaatatg tttaattttt attacatatt tttgaaattg 180

tggataattt atttattaca aattatttat agtgaagta aaagattaaa ttatttaggt 240
acaataattg aatttatttt aactagtaaa atgttaaatt agttgttagt tatagttttc 300
tatatttttt ttgataatt agggtgcaaa atttttattt atttgaagta ttttttatgt 360
taaagtagat gttttctaaa aaactttatt attgggggtt tggaggccct ggcgggaaat 420
ttttgtaga atttataatt atttagttat tgcaaattaa ttaagttaag gtaaaattga 480
atttttaagg gcaaatttgt atta 504

<210> 6307
<211> 523
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6307

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ttatgagtgt agatcagttc attgacaatg tggcctggcc tggagcctga ctttcttttg 120
tgaggagataa tgaaagtttt acagcccagt cacctcaaca acatgagcca taaccagaaa 180
cgatcactca ttggaagcca ccatccctcg agctgttgat ttcgcaaaaa gaagattaga 240
gacgagatct aatgaggctg ctcatcctat accagtgcga ccatcagctg acgcaccatt 300
tccaggagtg gatccatctt caccttagca tgcacagac ttttccactc ctatctttaga 360
gatacatgag ggccattggt tattatcatg cngccttttc ttgaccactt cgaggaactt 420
gacacccatc gttaagcaat ccgtgaagtt ctgcgacatg tcgggagtcg aaatgaaaca 480
tttattgcgc aatccataaa gtttcgtaac attccagatg ccg 523

<210> 6308
<211> 345
<212> DNA
<213> Glycine max
<400> 6308

agctttttgt ccttaagtga aagacaattt ttatattttg gctttatttc taagctttct 60
tgttgtttct aagtttgtct ttaattatta cttcatacac cgtgcaagtc atgaaatgaa 120
acacaagaca taatacactg attacaagtt attaggttat ctggtcattt ggggtcaaggg 180

ttgtttgttt taaattaa atagaggtgt gcgcaagggt tgaagcaa at gcagaagtaa 240
ccattgtagc tagttgctag tgtcatgtta gttatgcatt acgtatgcat gcttgatcat 300
tatgtcttaa attcacatga agccaatttc cattttggat atgta 345

<210> 6309
<211> 749
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6309

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ggcttgacca cgacaactct ggaggcgggt aggggcaatg gtgtatccaa taaacctgtt 120
gttcataaat aaagaatata tcataccgag accgacataa atgaactcac gtaatcattg 180
cataattgtt atactatata cattgaatgt acctgttcaa aatgattaac accattttac 240
cgacatatat ttgcggtgcc tataaaatta agaggtgggt aacttctacg agaaataaaa 300
cacagcattg ttcttggtaa accgaacaaa gtttaacttt tacagagact ccataagagt 360
tcatgattat ataaatatac agcccnangg acctatttgc ctgttatgat ctagcataaa 420
gatctagtat atttaaacc ctagaattatc aaaaacatct gtacaatact atgtattaaa 480
cttactataa gtcaggtcac actttaattt atcaaaatct ttgtgcaacc attagaggat 540
gtacttctta gccaccagct tgaccattac aagtttttca ccagtacggc cacaatctt 600
ccctactta tataaacgca gatgaccacc tactatattt tcgacccttg tcaatgcacc 660
gcccaactgc gctcttcata aggtcacagc aatcacctt ctaacttctt acacgtctag 720
cacgtcaac ttataacta ttctgccc 749

<210> 6310
<211> 506
<212> DNA
<213> Glycine max

<400> 6310

agcttctcaa ggaagttttc tcaagaaagc ttctcaagga agctacctag tctataaata 60
gaagcatatg taacatttgt tgtaactttg atgaatgaga gtcttgtaag acacaactca 120
aagttcaact tctctccatt tttcttctt caatttcgtg ctccccctc tctctttttc 180

tccctctttc ttttctcca ttgaagcatc ctctccaagc ttcttataca aggctcatct 240
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 cttctctttt gtcttctctt gcctctccat ggtggaaaat caccattaga ggacctcatt 360
 taagctcttc atccagcctc catagaagcc ccacacgcaa gcttccatca agtgggtatag 420
 agcacaagag cttcaagtaa gggctcctta aacctctggt aattttttgt ttaccctctc 480
 ttctattggt ggttcttcat ttttct 506

<210> 6311
 <211> 594
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6311

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 tcctttcttc acgtgcac ccatgccttg cgaactcctt gaagtaccct cgtgttctgg 180
 tcaactgaaac cccgtgcgat gaaaggcgtg atgcattcgt ctgatggcac ttctctcatg 240
 gggtagccaa gctgtcttat ggcgaggacg ggattataat taatacaaca ccttgttccc 300
 atcaagagaa catttgaca tccttcgcat gaagatagaa tcttgattct tccttcttc 360
 tagcgaggga accaattaac agacgcctct ccatgctgcc aaaagtgggt cccaattcgc 420
 ctttctttt tcgatgcacg agcggtgacc ttgtagcgga tagacgggcc taccttcttg 480
 gagaaaaaag gtgtgaaacc agccacacat agagagccag tgcacaacaa acaattcttg 540
 cgctgctctt ttcacatnct ccgtcgaacg tgtcatacat ggccaaaatg gcga 594

<210> 6312
 <211> 498
 <212> DNA
 <213> Glycine max
 <400> 6312

agcttgtaac agttgtgaat catgccgaaa gtatgtaaaa gtagttcatc tetgttttct 60
 tccataacta cacaagtaat gccaaagattc acgcccgtga cctgcataaa aaatgggaaa 120

taaggtcagt cattaaaaga aatgcctaaa ctagtggagg agactgcagt gactaaagag 180
 agcacacggc tctacggact tgcaattgca atatatcagc ctacttataa ttatatTTTT 240
 ctaatatgat tccaagttgc aagaattctt cattgagtaa cctcattgag tagctatata 300
 tgcatatagc tacattgttg acatttttgg caagaatata tcttgggaacc tctaagctaa 360
 tcaacatata aacaagagct agaagagaaa aaaccatttt tcacataacc tagaatgata 420
 aagaggttca tatagcctta cattaaatat cagtccctta atactatata atacttgtag 480
 accattgaat gaaatatg 498

<210> 6313
 <211> 602
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6313

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 cagaaatgca gttgagaagg gaaagggggc taagctttac ttgtgatgac aagttttccc 120
 ctagccatcg ttgtcctaata aagcaacatt ttgttctaca gtgggaagaa gaggatgac 180
 ctgcatttca accagatcca ccagacgagg ttgagacagc tggtgacccc agtttgcaag 240
 atcatcattt gtcttataat gctttaaaag gctcatcagg tcttgggaata atgaagtttc 300
 aaggatcaat aaatggattg ggagtgcaga ttctactaga tagtgggagt tcagataact 360
 tgctccagcc tagactatct caatgccttg gagttcctgt agaaccaatt cctaatttgc 420
 aggttttggg tggaaaagga aatgccttga ttgctgatag attaatcaaa gacttggagg 480
 tgaagattca aggtcatata ctgaagctac cagtttacct acttccaatt tctggtgctg 540
 atctantgct tgaggctgca tggttggcaa caattggggc tgatcttttt gattatagta 600
 ct 602

<210> 6314
 <211> 582
 <212> DNA
 <213> Glycine max
 <400> 6314

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aggccttttct tgcttttttg tccttgatac ataattaggt tggcaagaat cttcatgttc 120
 tcagtcagat agaggggtgtt gacctagata tgtacaaaga tgttgtgctt cccagagtac 180
 tggagcaggt ctaattgctt tattgtttct atttctaate atcaaagaca tggttaactt 240
 tctaaccata aaaaaaacg attccttttc ctcaattate atgggcaggt tgtgaattgc 300
 aaagatgagt tagctcagtt ctacttgatg gattgtataa ttcaagtctt ccctgatgag 360
 tatcacttgc aaactcttga tgttttggtt ggtgcttacc cccaacttca agtcagtga 420
 cttgcacatt tttttgtatt acttctggag gatgccttaa tgtatatatg ttttttctca 480
 ctccgaaaca tgaaaattca ggtagtgaa cttgcacagt tttgttttac taatataata 540
 atattatatt ttattgggaa aaagcccaaa ttaaatattg aa 582

<210> 6315
 <211> 845
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6315

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 gcctttttcc ccatattaag cttttgtcgt tccttgcttt attgcatgat tatgcaagac 120
 ggaatcactg tttattaaag ttataatgc atgcactcga tcggtatgta ttatatcagc 180
 aaagcgtaca tttaggtttg attattatgg gagccttgac taatttgact ttttcggcat 240
 atatccttgt gtttggcata tttaaaatga aaaaaagtat tttatatgta aataattggt 300
 gtatgaaaat gtggtattag ttgaattaaa attagacatg ataaataaat tcatatttat 360
 ggggtattatc ttgaattgac tccgactttg acagagatac cgctttgata ggatataaat 420
 atatgatata ctggaactat ttaagtgggg atgaggatat ggatgaatat caaattatgt 480
 ctgtacccat atcatattat attttttttc acaatatata tatatatata tatatatata 540
 tatatatata tatatatata tatatatata tataaaacgt gttatggcta taattttnta 600
 aatataaatc acttaactta atatcttaat aattaaataa caaacttaaa aatatacatg 660
 taactaaaaa tatagatgaa ttcttaattt ttttaactctc cttttatttg tgatctggga 720
 atatttaata tatcggggtg gagctacaaa tatgattata ttacgaaact tcattatatt 780

aattttattg ttaaacaata ttttacacta actttaagat ttttataaaa acgaagtgg 840
ggtcg 845

<210> 6316
<211> 747
<212> DNA
<213> Glycine max

<400> 6316

cagctactga tttccatctt ttgcacacag aattcaggcg aaagaatgtg gaagttggaa 60
gccatgaaag tatcctttca aagagatctt cattaaggtc atcaagagaa aagggtgttg 120
agagtacacg ttctccattt tctggtgatt ttctcttcaa gtttacactt acatgctgat 180
cattacattc cattgttgaa caatctgtgg agaaccacaa agaaatcaga tgttaccaag 240
caatcagctt tttttccatt tccaaagcct acggtactaa attactaatc tcaaaagcca 300
aaccaaaggg aatgaaaatt tccaattcga cccttatata tatatatata tatatatata 360
tatatatata tatatatata tatatatata tatatatata tatatttata 420
aaaaagaggg gccctgaata ataaaactct aaaggggaacc ctctcgggca aaaataaaaa 480
acatcccgcc ttttttttcc ccaaaacttc ttctccctc tctttttaga catatttctt 540
accataacga tttgtccacc ttcttaacaa aataagcccc ctctgccggt cctgagaaaag 600
aatttttttt attgtgtgac ccctctttta aaaaaccctc tttttttgaa aaaccctct 660
ttgatcaaac aaaacccctt ccttccaggt ggtttttgca cttaaaaaaa aaaaaaatat 720
tcttccctt tccccgggg attaat 747

<210> 6317
<211> 614
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6317

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caaattgggc tcctttgagc ccacagaca aaatctaatt gaaataaatt aggctacttg 120
aactcattc acacaaataa tgttcgtct aagtccaatt taaaaagtt cagaca aaa 180
caaaaagaag aacaaaaaaa aaagaaatac gttaaagtta aaataaatga 240

aaaagagtct actttctcgg caaaattgtc aagtcttggg ttggtctcct ctgcaccttc 300
 atcaccattt ttcaaacttg cactccaaga tactgttgtc aaaaaaatag ctaagcaatt 360
 gaatcagaga ctagtgactg gtcacaaatg aanaatggct ataaatattg atactgaaag 420
 taggttacgg gttcaaaaat aaataatact gtatttgaaa gataaaaaga gagagcaatt 480
 ttgtgagtgg atgttagtgt gatgaaagag attgaggcaa gcaagtgctg cccggctggg 540
 actgcgagta ctattattcc taacacggtc aacaaatata tgcctcggaa ttataaatac 600
 tatgggttaa atat 614

<210> 6318
 <211> 451
 <212> DNA
 <213> Glycine max

<400> 6318
 agctttattc aagacaagaa tccaagaaag tcaagatata tgatcaagtt tgatctctta 60
 gaatctttag gaagaagttt ccaaattgaa acaaacaaaa ggtttgacca aagaattcta 120
 tcatttcaaa ttgagatttg ctctctggta attgattacc agtagttgaa aatgttttaa 180
 tacaattttt taaaacctgt aatcgattac ataagtcttg taatttgatt accagagggg 240
 attttcagaa aataatttcc aagagacata tctattcaaa tgttttatga acgaccactt 300
 aaatgtttta aagagagttt ttattgcca aacaagtta tcctctcgaa agatcaagag 360
 tttttctgaa ctggaatgtc ttatctcttc aaaaagattc ttgggcaacc acttgcttat 420
 ttataaggaa tttttgattg atctttattt t 451

<210> 6319
 <211> 616
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6319

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 aaacttccaa agaaaaacgt ccgattgatt tttttttatt attttattca aagatatttt 120
 gattatttta ttattatttt tcaagatatt ttgattattt tattattatt tttgcttttt 180

ttggtttaac cgagggttaaa acgtgaacga tcgattagat tttgttttaa cagtgattaa 240
 accaaattac aacgcaaata atcgattgaa attcatttta tcatttatta agtgagaaaa 300
 cggcttaaac aatcgggttaa agctcggttac aaacggaaga aaagaaaccg aaagtgaaca 360
 aaataaagat gaaagcttaa aaaataagaa atgaattgaa agtctcggtat tcaaaaaactt 420
 acccgttgaa gaacgaagaa cggatgaaga acaatgaaga acgacggaaa accttcacgg 480
 attcgctcat ggaaacgtct cggaagcggt acggaagcaa ctcggttgg attttcttca 540
 cggaacaat ttttttcacc caaaatagct gaaatgcata gccagnggga tganggatca 600
 ttggaacagt cccatt 616

<210> 6320
 <211> 663
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6320

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 ggttnnaggt t tccct aactccccct cgcttgtaat atncaacttt gttgtagcag 120
 tgaaagctta ggatagtaac cttagggtag aagacgagag tagaagacgc cagaaaaaat 180
 ggggaaaggg ggcttacgac ggcgggttcc ggaagatccg ttaggggttc tttccgaact 240
 tccggaagaa gctgttccga aaacattctg gaagaagtat tcttccggaa ga 300
 gtcttccgga agaattccgg aagaaggggt tttccggaag aattccggaa gaaggggttc 360
 tccggatgac ctttgagaat tccgaaagaa ctttctggaa gaaagtgggt tttccgaatt 420
 aatccggaag aaacacttct ttcgaaagtt tttt 480
 taaaagaacg aataaataat tgggtattga t ttttccgagagctt aaaaaaaaag 540
 aaggtttgaa atttgggtttt gaaaataaaa yggccgccgc cccccccccc cccacccccc 600
 ccccttaaat aattgaattt ttttaaaaaa aaatcggaac cccccacaa gaaaggggttc 660
 ccc 663

<210> 6321
 <211> 653
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6321

tgcttctaca tccatatcat ttttatccca tgtaatgtag gccttcttag ctttcttatac 60
 attaaaagct ttcttttcag atttctccat tcttttcttg aaaattggac aatcaaccct 120
 cagatgtcct ggttgattgc attcataaca ttttgagta gaggatgaat cttttgcct 180
 tttctttgat ttgaaatttg ttcttcttg atttctcta actcttagaa atttgttgaa 240
 tcaatttaca aaaagactga gatcatcatc ttctgtctatt ttatttgaat cctctttatac 300
 acgtccttct tggattgaag atgaagcttt aagagcaatt cctttctttt tcttaccatt 360
 ctctcatgc tgattcaatc tcattaatc catttcatgt cctgcaactt cccaacaaa 420
 gtagcaagag acatgttaga aagatccctt gattcagtaa tggtcgatac ctttggttgc 480
 cattcctgc ttaagcatct caaaacttta ttaataagat cttcatttgg aaagattttt 540
 cctaaggatg ccagatgatt aattatgtgt gtgaatctct cttgcatgtc ctgtatgngt 600
 tcattaggat ttcactaaa taattcatat tcatgagtta aagtatctat cct 653

<210> 6322
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 6322
 agcttcatgt agctttttct agaagcttca ttaagaggct tctccagaa gcttctcgt 60
 ggcttctttg agaagcttcc tcaagaggct tctttgagaa gctagatcct tatctatcca 120
 caccctcta ttaactaaat taacttctt aaaaataatt accgatgaaa ataacgcaac 180
 aaatattcaa acatcaaaca taattactaa tagtatatag atatatatat atcagggtgt 240
 tacaactctc ccaccctttt agaaatttcg tctcgaaat ttaccttact caaacaagga 300
 tgggtgagct tctcacatct gactttctaa ttcccatgtg gcattctctc ctgatgcacc 360
 tccccagatc accttgacca acagaatctc tttccctc 398

<210> 6323
 <211> 632
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6323

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 aacaagtttt ccacatccac aaagcgcgca taaaccacc atcccctgtt gccacactcc 120
 aactgagctc acgtactccc acgtagccca taacctcgtt tctctcaaca ccgggtcccc 180
 atcaatcctc ccaagcttcc ccaacatcaa agtaaataca cattcaaaca gcacaaatta 240
 ccacagccaa gaaaacaggg caaaggcaga aaactctgcc caaaacacca accaaaatca 300
 cagcttttct cacttaaaga cccagtaac aattccttcg atccaattcg ttaaccgttg 360
 gatcgactcc aaaattttac tggaagtcta tagtacataa gcctacattt tgaccgttgg 420
 gatctactag caaacatcca gaactcattc tgcactactc tttccacagc caaccacaca 480
 caagcatttt tctgcacaaa gccaaaatcc tgctgcacct attttgacag canaattctg 540
 cataagtga gaattcgaan natcaccctt ctctcatcca atcttgccca aatcanatcc 600
 tacaagtccc aatcatgta tcaatcatgt ct 632

<210> 6324
 <211> 577
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6324

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 aacaaaataa aattctctct cttaaattctg aaactttctc tctctcctt' atgtctga 120
 acagaaccta agcaaaacaa aagctagaaa atttaaaata agcaaggaat gaggcacaat 180
 gggtttgagt atttaaattt tgagtgttga atacatactc aatttttt' acttg 240
 ctaacattgc ctaaacctta catagaaata atgataaatt gaccactac aagaaaatg 300
 ttattttccg acgaaatttt tcccacggaa aatatttcat cggaatgct gaa' ic 360
 atggaattta ccgaaggaat aatttccatg ggaaattagc aaaaaatcga tg' atgtttt 420
 tgacggtcaa ttattctgtt ggaaagtga caattccgac ggattatacg aacga atgt 480
 gtatctgtcg aaaagtaaatt tcccaaaca tatgatgcga acc' cc attgaytcac 540
 tatgtntttt tgcaagcttg gtatgttgat atgaata 577

<210> 6325
 <211> 702
 <212> DNA
 <213> Glycine max

<400> 6325

tgactttaaa ccttgacatt ggatccttca actcatgaag tgtttctagg tccttatgct 60
 ctttggatag ttctatatta gatatatccc tgacatatca tcatatatct aaccaatgat 120
 atactacata tttatatata ttttttttaa accaacaat aatttatata ttatgggtat 180
 tagagatacc atcagttaca taaaataatc ctcatgatt aattggtatt gcttctagt 240
 attgaataat gatattctatt aactagtagt tttaattata ataattcgca taaaaaatct 300
 ctctactcta ccacagcttt gcatatatgc acactttcac caatatttca taggccacc 360
 ttgtttgttt cttaaattatc cacatttatt cacagacact tccactatct cattgctaga 420
 aataactcaa ggccgacttt gcacatgcat agcgttatac taataccacg tgtagacag 480
 tgttgtagt taggtacct tgtgttggt gataatttct gaatcacgtt attatttttt 540
 gttaaaagt ctttaacttt tttctctcag cctctatttt tgccttgca ttcaattata 600
 tcattgttat ttaactctgt taattgaatg tggggctaaa agtagaattt ttaagaaaaa 660
 aattggaaga aaatgataat aatcattgga ctaattttat ct 702

<210> 6326
 <211> 505
 <212> DNA
 <213> Glycine max

<400> 6326

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 tgggtggtgaa cctgctgtgt atgatgtttc tccctccatt gtgatttctc tcaactcaca 120
 gatcccttaa tgataagagc tctagatacc tatttggtgt tttttttaat aacagcagge 180
 agaaatatta aagaatgaaa gggagcataa agtaagaaat tgagactgca aaagcttggt 240
 ttattctgat atgaagcaac gtatttaaaa tcatggaaaa gatagtaact gctaacaaaa 300
 agataacacc actaacagat catgactaga gaataggatc aaaactgctt taccctatca 360
 gtcaacatga cttttatttt tcttaaaaaa tagcaaaaga atcttatcta ctatagtttg 420

ttaaacagtt tcaacagtca catcttaaca attcaaaaca aaattgtgat aaactcatcc 480
cttacatcta agtgactccc atgtg 505

<210>	6327
<211>	506
<212>	DNA
<213>	Glycine max

<400> 6327

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tattaccaat	ttgataattg	agaacaaagg	ctcaagattc	ttcaatgtac	tctaaaattt	120
ttttgctaag	taaacaaaaa	ttagattaac	tacaaaagct	aactagtaat	ctgttaaaaa	180
aaaaaaacct	cttctcaacc	ttgcattttg	taatggaaga	aaacaaatta	aaatatgcaa	240
tgataaagaa	aaagttgcag	acaataatat	aaaagaagac	aggagatcat	caatgtaatt	300
gtggttaagt	tctggtgttt	ctgcttttat	ttcttagcat	accaagccca	tccattatat	360
tcaaaataaa	tttttttagtt	gttatctaag	aactttctaa	ttattgaaaa	gtatgtatgg	420
acacatat	tttcaacaga	tctacttggc	atTTTTTTga	aggagttcat	tacgttacta	480
ctgcactctt	aatTTTTTgt	agtttt				506

```
<210>      6328
<211>      546
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      6328
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ccaattatga	gtgtagagca	attcattgag	aaggtggcct	agcctggaac	ccgaccttct	120
tttgtaggga	ataatgaaag	ttttacagcc	caggcacctc	aacagcatga	gctagaacta	180
gaaaatgatc	actcatctga	agccatcacc	cctggagctg	ttgatttttc	aaaaagaaaa	240
ttagagacga	gatccaatga	ggctgctcat	cctggaccag	tgcccatacc	agctaactct	300
tccactccta	tcttagaaat	acttgagggc	cagaccatac	tagtcctggg	tctgggcact	360
tctcctccaa	ctactccagt	attgcaccaa	acagataaag	aggatgttca	ggcatangac	420
atctaggact	agtaacagga	atcttgattt	ctgatgatac	tttttgcttt	ttaattttatt	480

attattatta ttttgggttt cgtacagatt tcctttaggt ctacatacac tactagtttt 540
 atttat 546

<210> 6329
 <211> 665
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6329

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 tactcttaaa gcaaaaatgg catataacct cctcccataa atacaaacat caatgtaaatt 120
 ttagagcaag cttatgcgca tatttcctta cgaacgttct cttgcacaag acattctatt 180
 aactaagaaa aatgcaccca tacacaatca aggcagcttc gttacctaga ttatttacac 240
 gtacttccaa ggtgtatttg ttacttacat cacacacatc tccttggcta aatttacata 300
 caggcatact caaagcattt tggggtagca aaaattgcac atgtgcacat cttggtattt 360
 ctaataccta tacatacgca aacttcatga tgaatcttga ctatcttcac aaaaagggtgc 420
 tacatttcat gctttttttt tttcaagttt ttgctactta aagccgcatg caaattcaag 480
 catattttcc tttgctgact aaaatcgtat tcaaattaaa aggtatatatt tttgtaatat 540
 gttttcttca cataacatgc aacacattta tatacatttc ttgtgagaca tntttgacta 600
 ccaaaaattg gatatgcata cattcaatat ttttgatttc atacccaaag tgcaaattgc 660
 caaag 665

<210> 6330
 <211> 303
 <212> DNA
 <213> Glycine max

<400> 6330

agcttgaagg caaactggat gcattgggta acttggtaac ccacctggcc ttgaatcaga 60
 aatctgtacc tgtcccaagg gtttgtggtt tgtgctcctt tgctgaccac catacagacc 120
 tttgcccttc catgcagcaa cctggagcaa ttgagcacco tgaagcttat gctgcaaata 180
 tttacaatag acctcctcaa cctcagcagc taaatcaacc acaacagagc aattatgacc 240

tcttcagcaa cagatacaac ccttggatgg aggaaatacc ctaacctcag atgggtccagc 300
cct 303

<210> 6331
<211> 515
<212> DNA
<213> Glycine max

<400> 6331

tctatagtta tggaataatc gattatcaaa tgtgggttatt gattactacg atacacgaag 60
aactcctaag gtttcctaac acaatataaa tgattactaa acgggggaat caattatctg 120
gaaccaccac gacttccttc tgttgggaact atcttatgta atcgggtact aaaaatggta 180
atcatataat ttgatgattc ttatcaaatt tcaagagaag tgagttttgt tgcttgctct 240
aacactatgt aattaattac caaacttggg aatcacttac actatgccga attcattgct 300
tctaagaaac tatgagatta atacatttat cttatcatgt tggattccta ctaaacctat 360
atgataaaac taacgtctag agcacttgac ctgcctagtc taaaaacatt tgatagaaat 420
gtcacatctt aaaacacttg tttggcgctg taaacttatt aaaaccaaca gatcctaaca 480
ctattcttca agtcttcaat cactttgatt caaca 515

<210> 6332
<211> 528
<212> DNA
<213> Glycine max

<400> 6332

agcttgaagt gaaaaatggt aactggagca acccaatttt tacatcaaag cctaatacagc 60
atcaacacta ctattttaat ctttttctca taaaggattc aatcctactg atgttggtggt 120
gcaacagagt aatgcaaggt ctatttgatg ccagtaagta atccttttat ttccaaattc 180
agagcaattc caacaaaagg ttccatgacc aaccctaatt attaaagaac tcagttcact 240
gatatgtatg aataaatgat gcaagaaagc atgcaaacta tagaacaaca aagaaattgt 300
ttcttctgca gattctagat aatgccaaag cctaaagaaa caagctaaag tattatgggt 360
cacttgaaat attaaagtgg aagaaatgta acaagtaata ttgttttttg atgcatcaga 420
acaaatgcaa caagtaatat gatgctatta tacatcacgg atatagctta aaataaaaaag 480

caaaagggag gaaaaggaaa actccattta ttggactaaa ccataaaa

528

<210> 6333
<211> 362
<212> DNA
<213> Glycine max

<400> 6333

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acataaaatt cagaagaaaa atattattgt ttaagtgtgg ttatgtagtg gctaagtgga 120
gacatgatct gaataatcct tctactagtt cataagtgga ttgtctctgg agtaaaatag 180
ggacaacgga atgcacaaag atggggggtg gtggctagaa accataatgg aaatacgaga 240
ggcttttaggt ttccaatgac cccttcaaag cagtttttga agaccaatgg cgtagatgaa 300
gtcccttatt agttggacat tcatatttct aaagatgcag ttgaataata ctagcattct 360
at 362

<210> 6334
<211> 458
<212> DNA
<213> Glycine max

<400> 6334

agcttcatga tgaatcaaga ttgattcaaa gaagttttga tgataacaaa ggtgatgaca 60
aaaagttcaa agatcaagaa aaacttcatg ataacaaaga tgatgatctc aagaatgaaa 120
gaatgagttc aagatgttca agattgaatc aagaacactt caagggttcaa gaggaaattt 180
gatttcaaga atcaagaatc aagattcaag gttcaagctt ccaagaatca agatcaagat 240
tcaagactca agattcaaga atcaagataa gtatgaaaaa gttttttcaa aaactaagta 300
gcacatggat ttttctcaaa acttggtttac caaagagttt ttactctctg gtaatcgatt 360
accagattga tgtaatcgat tactatttagc aaaatgtttt tgaaaaagat ttcaactgaa 420
tttacaacgt ttcaattgat ttcaaaatgt tgtgatcg 458

<210> 6335
<211> 600
<212> DNA
<213> Glycine max

<400> 6335

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ctaggcaaaa tcagaggctt agaaaagaag agagaaaacc aactcttcaa gagaccatgc 120
ttcaatatat ggctagaat gaccaaagaa tgaagttggt gtcccaattg accaacatac 180
aatccctctt atcaciaaga aagtcaagca accttcacaa cctaaaccaa atcctaagaa 240
ggaggatgtc aatgctgtga tgactagaag caagatgatt caaaaggact ccgaggagaa 300
tgaaggttct ttcccaaaaa ctgtagatga catccttcta agaagaacca agcaactagg 360
aaagttaagg ttctactga tgggaatcct atggcaagca agaaggggtga gaaggaggta 420
ctgacacctc ctgagataag tgttccttct cttctcaa at gaagaccatt gtgactgagc 480
ctcacccaag tgtggggaag gaagatcctc caaggaagac agtcattcca aaagacccta 540
gatggagtaa gaaaaatgga gatagcatca ccattcaaac tcttggctat ggagtagatg 600

<210> 6336

<211> 397

<212> DNA

<213> Glycine max

<400> 6336

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gacgactata atttttatatt agttagttat tggtgtgatt gttattgtta ccgttacgca 120
tcttgtgaaa tcagctggat ttctgagtct tctaaggtta ttcttgctca ttttaccgt 180
ggatgggggg atctagtgat ccatttgctt taataatata tttgggtggc tttagatggt 240
aactaaactg catattcgta agatgatgaa ccatatagat gagttttctc agacacatgt 300
tcttttcaat aatggcatac attgacagat ctagtaagtc acgtgattat tccccttct 360
tgttattttc tttacagttc ccataactgc ctaaact 397

<210> 6337

<211> 557

<212> DNA

<213> Glycine max

<400> 6337

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cctatgagca tggactttca tccaattcaa caatactttg cttcttggtc tgctgctctt 120
 ctaaaggctt ttttaataaca ttgatttgat ttatcacttg catgtttttg ctatcaagtt 180
 tcaatttgac ttttatttga tgcaatatgt cagttgggtac aaatgtgggg gacattgctt 240
 tgtggggagggt ggggttctatg gagcgggttg cctcaaggaa tatcaaagtt cgggatctta 300
 gggcatgtcc aatgccattt cagggttttct ctttacctta atgtatgaat gatctttata 360
 tgaatttggtg cttacctctg agactgtcat gttgtcatga ctgaagaaca ctaattatga 420
 tcaatgcacg cggctcttgt caaagatccg ggcgtttctg tgaatcgagt gatatggagt 480
 cctgatggag cattgttttg taaactgaga atttataatt cttcaatgtt taaatgatat 540
 gatatagaat accttga 557

<210> 6338
 <211> 465
 <212> DNA
 <213> Glycine max

<400> 6338
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 ccaaaatccg ccataaacat atggcgggatg gcatgggtgga caggaaaaaa atacacacac 120
 acataaatac taaaaaaaca tcagtgtggg ggaatttaac tcttgggtca aggaagcaag 180
 agtcgtgcat tgtaggcctg tggacaactt cactcagcac ttctcttttg ctgcttcgag 240
 ggctactaat agaaagtgga agatttggtg gatagcagcc acagtttcta tttggaacta 300
 taggaatgat atgattttta aaaatcaaca gtttgtcatc tctaagttgg tggataatgc 360
 aatttttctc acctgggtctt gggttgagggg gtgggaaaag gactttgccg tttcgtttca 420
 acaatggtcc tcaactatgt cttttgcctt cacctaattg gggaa 465

<210> 6339
 <211> 651
 <212> DNA
 <213> Glycine max

<400> 6339
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 ttgaatattg agttgcccaa aattgttttg ttataattct ggacacatca tgcagctaac 120

aaagataaac aagagtgaat gaaaagcaaa ggtccacgag ttctgtcatg taagtgggtca 180
aaattgaaac tacatcaaaa agccaatgcc tttttgagaa acaagataac tcattgctga 240
atcttatcat tcagtattca cctctaataa agtcgttatg attacttcct cttacaagag 300
agatgaacac atttgaatgt gaccatgtca tcataaaatt tgcattagag gatccatttc 360
cctctcactc ctttcatgca acattgtccg tttatgcacc aatttttaag gttgaagttt 420
aatgctggcc aaattaaact caaccatatt gacacaggat atgacaaaaa aaccaataaa 480
gcagttaata aacaatatat gtataaatca tactgatgat ggcaattctt gtcgagtagt 540
tttttccttg ctgtagatat ccacatgctt tgaaaagtaa ttcttaggat tttgtaattt 600
atccttgatt tttgcacaga aagaaaacct ttcactacct gagattacaa a 651

<210> 6340
<211> 606
<212> DNA
<213> Glycine max

<400> 6340
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gaaaagaaaa caatcaaata ttatttcatg agatctagta aaacaaaagc atttaacatc 120
tatgcaacaa cattgggtggc aacagggttcc tagaccatat gaagacagat ccatcaccat 180
gctgagaaat acaataggtg gcattcctcag tattgaaaaa tgtgtcaaag aaaaaaagct 240
gctaagctaa ctaacaaggc acagcacaca gccaatgtga aaggagaaca tgaagcagcc 300
taaactgaca tcaaactgcc acttgacatc aagattaaat ttgaaacaat cagacgcaag 360
tggttgaaac ttcacaaggc aaagataaag tggttgtaatc ctagccacac cttcatcaac 420
atcagtgcac aaagctcaac ctatttatga aagacttttt tccatacact gctgtttgcc 480
cttagtatca tgaaatccaa ccaacaaatt tgaggcaacc cagaagagca caacctaacg 540
aaaccactt agttttttgt aattgtagat atgatgcaag ccataatgcc atactgagaa 600
atccaa 606

<210> 6341
<211> 674
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6341

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attaaatatt ttaatcccca acatatgaac acggaagatt ccagccaaaa gatataattg 120
aacacagaga ataccacttt tttttttggt ctagaagaat accacctgtt taagagaaca 180
tgcatttaca agttattggt gggtttttct tcttcttatg atagcataga agaattattat 240
tgtgaaaatt ctgaagataa tttgtcttat cacatgaaag tttgaggaca caatttctgc 300
ccaaaacata agtcccatc actatctact tcatcaacag actacatata tgtgatatga 360
ttctaaaaac aaaacactta taaacagcca gttcagttaa atccaagcaa tacttttcca 420
agtctgccaa cccttaaaat atgggttaga aaattaagct cgcccgccaa tcacatcaaa 480
aaggaaaatt aaaacacgtc cacaaaaata tttaaatcaa aagaaactca cgctgataca 540
ttagtttgtg gaaaaattct gtcttcactt tttccatact naggggtccgt gactgattca 600
tcagctaata gctatcaagt ttcaaatata tcaaccaaatt attgagataa atgccacaaa 660
ataaaaaata aaaa 674

<210> 6342
<211> 534
<212> DNA
<213> Glycine max
<400> 6342

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cacacatcca ataattggcac ccatgtatgc acaaaccaat tctataagca aaattcacia 120
atztatgcgc aaatgccatt aaggcatttc accgaacact tgggtgggtgc acttttgggt 180
ataaacagga aaggaatgag ggcaatgcgg ctgcccatt catttcagaa cacaacctag 240
gcctaaggcc atccccctaca acccccatt tcaacgaatc aaagcatgaa ttttccctaa 300
aatgtctcac gaaattgggtc aactatgtac aatttagagc ataaaaaggc atcaatggaa 360
agctagagac caaaggatag tgtacttact tgcattggagt gatcaaggac actaaaatgg 420
aagcaaaaag cacaaaatgg gggcctaggg tcagaaaaaa ccctcaatcc cgcggtgtgt 480
gcgttcttga gtgaagggga gaaatttttg gtgaaaaaaa ctgcacaccc cccc 534

<210> 6343
 <211> 580
 <212> DNA
 <213> Glycine max

<400> 6343

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 gcactttctct ctctttcgaa tttgcttagg aaaattgttt ccgtgaagaa aatccaagcc 120
 gaggcgcttc cgtaacgctt ccgagatgtt tccgtaagca aatccgtgaa gggttttcgtc 180
 cggttcttcac cggttcttcac cggttcttcg ttcttcaacg ggtaagtttt cgaatccgag 240
 actttcaatt catttcttat tttttaagc tttcatcttt atttcgttca ttttcgattt 300
 cttttctttc gtctataacg cgcttttact gtttatttaa gccgttttct cacctaataa 360
 atgataaaat gaacttcaac cgatcattgg tgcgtaatc tcatttaatc actcttaaaa 420
 cgaaatctaa ccgatcggtc atgctataac ctcggttaaa ccaaaaaaag taaaataatc 480
 aaaatatctt gaaaaataat aataaaataa tcaaaatatc tttgaacaaa ataaccacaaa 540
 aaatcaatcg gacgtttttc tttgaaagtt tccttgaatg 580

<210> 6344
 <211> 445
 <212> DNA
 <213> Glycine max

<400> 6344

agcttttgaa ggtggtatgc tttggggaag aaattaggtg aaaatggctt cacctctccc 60
 cccttttaaa tttttacatc agacacactc acccaggcga gctaaatttt tttttttttt 120
 tttacaaaat tgggttattc attgttatat ttcttctaaa aatcctataa ttgcatataa 180
 gcttaggaga attcaggata taattcaagg aaacaaacaa gcataaaaca ggaaattaaa 240
 gagcaaagtt agagatacta gactgcctca taggagcact tctttaacat ctttagccgg 300
 acgcaggttg atgatcaatc gatcatgggc ctagcacctg ttcgtaccta ccccaaagat 360
 tgaacaaaga aagtggcatc atgcaaagt gaaacaatac tacacgatgc atgcattacc 420
 tttcacttac ccctattggg tatct 445

<210> 6345
 <211> 585

<212> DNA
<213> Glycine max

<400> 6345

tgagatgagg aagtgttgaa gggtgaaact ttttgctttt attgttgacc acagagtggg 60
acctggagat atgtcgcggg ggtcaggaga ccttggggac gtcaagtggg gtgctattgc 120
ccaaaaccaa gcttgaccaa tcccgaacca acccgggcat agtcggtcag tgagaacctg 180
tgatgtacct aagcaggcga gctcctggca gtcaacagat aaaaggaaca aacaccacaa 240
agcaaggagg cttgtggtgg ctggccagct gtgaattttg tgtgatatgt ggattatggc 300
ctctggtaat cgattaccaa ggggtgggtaa tgcattacaa ggcttaaaaa tgaagacagg 360
aggctgagat ggtctctggt aatcgattac caaggggggtg taatcgatta ccaggcttga 420
aaacgaagtt aggaaattaa gggagccttt ggtaatcgat taccagcctg tgtaatcgat 480
tacacagagg gatgggtcac tggtaatcga ttaccaggta tgtgtaatcg attacacagt 540
gcatttttgc atattccatg ttctgacgct gtgtaattcg agttt 585

<210> 6346
<211> 452
<212> DNA
<213> Glycine max

<400> 6346

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ttttccacct gaattgactc attgactgcc atgtgtgttt tttttcaaag gaatatcatc 120
atatacccaa aaaatattaa ctagttgcct agaatagacc tatatcacia aaaaaagcta 180
atctttcata ataaaaggaa ataaaacaac aaacttgtag ttgtacagag aatttttttt 240
ggaaatagca tcctaaagta gtgctattta caataagact caacagaaat aaacctgttc 300
tacaaatctg ttctaataat aaaaaaataa aaagtagtaa gtagtaacat aattattcct 360
tttatattta aaacataaaa aatgtaacta tcctctaatt ttttttaatc aactctttcc 420
tcggcctaca taaaatttca ttggatccct tt 452

<210> 6347
<211> 616
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 6347

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 gatccttgaa gtgggagtc tctctgtgtc agggcgtctt ctgaagcgct tacagaagtt 180
 cttggagcag gtgaggactt gaatattatt taatggtgta agaatcactt tcaagaaaac 240
 cagaatgtcc cttacaattt gcaagctata gttccttatt ctgattttta gcagtggcac 300
 aagccaacta tattactatg ttagcttttg ttatttccat tatggtgatt gtatatgcag 360
 atacaaaaca ctttcttttg cctccgttaa cagttttagt gtttgaagtt atgtgattgc 420
 ctgacacggg atcatagggt ctctgagcga ttaatttaga gttcaatact ctctcactga 480
 gcaatgcaca attagttccc tctgtcatct gcagtttatt aacattttca atttcctttt 540
 tattgtgatt ttgccttac attttctgga gaattgcgcc aaattccacc tatactnta 600
 tgctcctatc ctattg 616

<210> 6348
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 6348
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 tcatatcttt attctttctg ataattgaag atcattcagc tccctcagat ccttttgaag 180
 atcttttagg tttttttcca actcctgaaa gttattaaga aaagtagatt ttatttttgg 240
 caatcgtctc atttttaaaa caaagcttgg actctttttc cttgagaggt acacaagctc 300
 cacatgtctg agtatactca ttcagtgaag catttacttg atcttgaaga ttttctcaag 360
 tttaaaagat ctttgatag tttttt 386

<210> 6349
 <211> 314
 <212> DNA
 <213> Glycine max

<400> 6349

ctgataggaa cgttgatggt ggctacgtcc gactacgtga gctcagtcga aagtgggcaa 60
ctgggggatgg tgggttcatg tttgatttgt gaaagcggga gaattcgatt gcgccattcg 120
ccgatctcct cctagtagca catatgacgc gtgccccata atccactatg cttgaggtga 180
gaaagcgtgg aggagttagt cttactactt ttgtttgttg accatagagt gagacttgga 240
gatatgtcgc gggggtcaga gacaccttgt ggacgtcacg tggggttcta ttgccctcta 300
ccttatttga ccac 314

<210> 6350

<211> 401

<212> DNA

<213> Glycine max

<400> 6350

agctttctta agatagatct agcgcgtcct tttctcttag agacctcccc ccatgtggag 60
gttgtttcat gttctccaac tgtgcaaaat cttaatgctc ataacttgaa tgctcaagat 120
tataatagct ctatagcaag atgttcaaaa tgacacgcac cagattgcac taattctcca 180
cttatgctat gctcctaattg atccatatgt ataaattgat gcctacctaa tctatgaaaa 240
ggcccatcta tttcaggatc gaatgggttg taacctaaag aatagcccct tttcataca 300
ctacattcaa cctgcacaca aacttatgcc ctgtcctgct aataaaagtg ttaggaatag 360
ctacagtttc cctcaattga catccaactg acttgtaatt t 401

<210> 6351

<211> 352

<212> DNA

<213> Glycine max

<400> 6351

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tatatgcgat gaaacatacg tgtctgcaga gcgcaaacct catggaaatt gtgattacag 120
gggaattgct actataataa gctacatgtg atgaattatg tctctacttt tacatgacta 180
tgattaagat ttttaatacat gggaatacca ctatgttgag ttgttagacg catcaaattg 240
ctttgttgca caaatacact attcttatgt gcagcatatc tcaatagcat gcgttgacta 300

ctgtgatgac cagtcccgac atgggctatg acatagaatg tgaatttgaa ga 352

<210> 6352
<211> 626
<212> DNA
<213> Glycine max

<400> 6352

agctggacga gcttcaacat atgacgtcac cgttgacgca tttattgggc ctgatgcaaa 60
gccctgttgg ttgaaaacta cttgacctct aactgtttta agatgtttct cacaaacggt 120
gctcgtccca acaagctatc tatgcatgga ttttatgcaa gacttgtctg ataaacctta 180
cctatcgtac ggccttgacac tggcctattc ctaattcccc gaccctatgc aactgcata 240
ttgtttgcgc tcacttcaga caaatgggtcc aacaatgccc ttacttgatg actctatgca 300
tgtctactac ttttgcact actaacatctt gatcctgacg catgatgagg atttatggat 360
catgggccta ggatgagatg gccctcgtgc ctatttggtt taccaacatg gaatgaagcc 420
gcacagtaga cgtgactgcg ctaccactta ccttggttta tcttttcctt gaattcggcg 480
ttgtattgac cattatttca aacaaatctt ctcttgctgt tcgatgcata ggatgataaa 540
tatgcctatg cctgcatgct catgatcaag gcagtcaagt gttacaaatt taaccaaatg 600
tttattatgt tcaattttac ttaaac 626

<210> 6353
<211> 293
<212> DNA
<213> Glycine max

<400> 6353

tatctgctgc tttagttacg atgcactacg gtggctagcc ttagcgtcac tcacatgcat 60
gtggtgatct ttgacttact acaagaacaa tgtgatagtg gacgcgatac ttgggaagct 120
ccgccctct agcatatgca cattcatggg cctgatgcgt cttagagcag cttctaacaa 180
cttgctatct atagcacact cttactgata aaagcttctg aatatagata gatatatata 240
tagatatata tgtattgaga agaacaacct gtgctaccat aatgggtgtga aaa 293

<210> 6354
<211> 480
<212> DNA

<213> Glycine max

<400> 6354

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tgtatcatcc aacgagtgc aaaaccaact tattttaa at caaatgtgga ctatcgtcca 120
atgctagtaa aacagagttt tcaaaaaggt tttcaagtgc agacttgtgc aacaaagtgt 180
atcaaaatca acacaaaaga atactaatca agtagcttta gagagaagta gaaacacttg 240
gatttatacc aattcactca aacaaagcta tgtctagttt tcctttgcaa atcaataaag 300
ggttctacta atcaaaactt gattacaaca agtctatgta ccaaagcgga gtatttttca 360
gcctctatgc attggcgagt attttcccc aatactcagc ttttttcacc aaagtatatg 420
taccaaaagc aacttttttg cccttcgggc cttccatcac tcggaaaatc ttctcaattt 480

<210> 6355

<211> 663

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6355

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caaatgaggt ctgaactttg aagtgttaatt ctcaaatgat caaagttaca acaagtgtta 120
cacatgcttc catttatagc ctaggtagct tccttgagaa gcttccttga gaaacttctt 180
tgagaagctt ctttgagaag cttccttgag aagctagagc ttagctacaa acaccctca 240
aataactaag ctgcctcct tgagaaaatt cctagagaag ctagagctta gctacacaca 300
cccctcta at agctaagctc acctccttga gatgagaagc tagagcttag ctacacacac 360
tttctataat agctaagtcg tcatattccc acatggnttc ttcttctcca attntcaaca 420
aatatattca agggaaatga aacaccggaa agcataccgg gtcacaaagt attttaaatt 480
aaaacagagt gatccgagta tcgaacttag ggaacttgct tattagacaa agttttatta 540
acgagtaagg cattgttgga acacacattg acaattgatg ggtaaaaaca gaaataaact 600
aattctatgg taagaataat aaatgcaagt aagttaaagt tgacaacaac aggtaaaaag 660
tgt 663

<210> 6356
 <211> 713
 <212> DNA
 <213> Glycine max

<400> 6356

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 atacatatat atatatatat atatatatat atatatgttt aggtagaaag ataccttgga 120
 tatgcatgta tgtagcaaaa aaaatttcac aaaatatata tatgtatgtt taggtagcaa 180
 gataccttgg atatgcatgt atatagcaaa aatatctcac aaaacatata tacgtatgtt 240
 taggtagcaa gatacctggg acacacatgt atatagcaaa atacctcaca aaaatatatg 300
 tatgtttatg tagaaaaata cctcatgaaa aaaaagagag cgagccagaa aagaattata 360
 agaaaaaaaa atgaaagaga aattattaaa aatattaaaa attattgggg tgggtagcta 420
 aaaaaaacat gggtgtgaaa gagataactc cagttttttt tgaaaaatgc gcttgtcata 480
 accagttttg aaaaaaatgt gtgtacacat ttgaggggaa atgcttttaa aagtttttca 540
 aacacccaaa tagactgggt gaatgcccaa attatagaaa acatttttgg gaaaactagg 600
 tgacttaaaa agggaaatga aatccgagcc caatgggaca ggaacataaa aacttgtggt 660
 tgaggggtcca agggtgcatg catgaacatt ttgcaaaaat atcctaaaca tat 713

<210> 6357
 <211> 557
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6357

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 gctttccagg ttctgctatc cagtgatatt aggaaggcca ccatccttgc tttccagtat 180
 tcatagttag ttccatccag aataggtggt ctgttactg gtctccttc tttctccatg 240
 ttcatcagaa tttatctccc tagatctcac tcagtgatgt cgagtgccag ctctgatacc 300
 aattgaaatt ctgatactgg ggacagatgt cgtacaggat gtcacgacat cacgcttcag 360
 aacatgcaga ttatagttga cagtgtggac agtttaaaca agaagataac acaagagatt 420

ngttaaccca gttcgggtgca accttaccta catctggggg ctaccaagcc agggaggaaa 480
 tccactaaaa tagtgtagt tcaaggctta acagccactg tttacaacct tctcacctaa 540
 ccactaccog tgcgatc 557

<210> 6358
 <211> 746
 <212> DNA
 <213> Glycine max

<400> 6358

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 cgtttatcac atgcaacacg agtgaaggat cctggaagaa tctacatcta aagaaaacta 120
 tttttcaagc ctgatattta agctcttcca ttatctaagt gtaatgttga tgcctttcgg 180
 gattcattga atgtgactgg tatgggagct tacacccgag atgacaaggg gagggtagct 240
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 cttgcaagag ctattcagtt tgtccaatcg ctgggtatca ataatggatg agtcttttta 360
 cttaacaata aacaagactt aaagtaaatt ttaatagcaa ttttttactt taaatagttg 420
 agtcttttta ctatcatata tatatatata tatgtatata tatatacata tatctttata 480
 tatatattat ttctactaag gtgtgggacc ttttttctt ataaaataat atttaaaact 540
 cagcctgcgc ccaagttgtc taaattctat atttaaatat tttcatttaa ccctctaata 600
 tgcccctaaa ggaaattttt aatttacacc attgttttaa agttcaaacg agactgcaaa 660
 cccttaattt tttgttgagc ggccatttta tttaccgag gttacgtttc attttaattt 720
 ttcttggggc gttaaaatat ctatcg 746

<210> 6359
 <211> 611
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6359

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 ctagtctatt aatagaagca tgtgtaacac ttattgtaac tttgatgaat gagagtcttg 120
 tgagacatac ttcaaagctc cacttctcta cctcttttat tcttcaatt tegtgtccc 180

ccctctctct ttctctccct ctttcttttc ctccattgaa gcatecttcc cagcttctta 240
 tccaaggctc atcttggtgg tgaagctcct tcttccatgg ctatttcct aatggatgg 300
 gctactctc acctcttctc ctttgtcttc cgctgcatct ccattggcgga aaatcaccat 360
 taaaggacct cattgaagct caaagatccc gctgcatag aagctccacg ggccagcttn 420
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 attttgcttt accttctctt ccattgtgtg tcttcattat tttccatgta tctctcaaa 540
 tgtcttgtgc taaatgttgg taacatgatt ctttagagtt tcaactgcata aacttgata 600
 taagttagat a 611

<210> 6360
 <211> 594
 <212> DNA
 <213> Glycine max

<400> 6360
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 aaactatcaa cccacatgga atattcccca acccaacagt tcagtgttcc ctatgcacaa 120
 actcatcact ctgtattggg gactcttccc acaagacatc accaaagcca acctcattgc 180
 tttatgcact ttataccgaa tacttcagat gcaacaaccc tcctatttgc tcaactgcca 240
 ccttgttttc ctatactaga aatttccaat aacacatcca gcacatgtga ttctatttg 300
 atgtatgaaa tcaactttgt ataagagaat ccataacatt ttgtgactac ctctaagttt 360
 tacttaattg ctttgcttat agtttttctc gatatccctc tacctctagt ggctacatta 420
 tccccatct gatctactct tctttttagg gcttctacca gactttgcca tacatgaccc 480
 aaccacctaa agagaaatth taccatcttt ttgcaatatg aactacacag actttacccc 540
 taaatgcac cactccta atctcttgac tagtatgtct ataaacaatg atta 594

<210> 6361
 <211> 646
 <212> DNA
 <213> Glycine max

<400> 6361
 tgtaggttga agaggtgaga tctaaatatg gttatggtga atgtgttttg agagatttat 60

aacttaatac aattatagag agtaagcttg aatatgagag ctttacaact taagataatt 120
 acaaagagta agaagtgcc taagtgcaat tctaacctga gagaaattgc ggtaagcgtg 180
 aaaagttgtg cttaatgcca aaagtggact ccattctaac gagacacgct cgtcaagcga 240
 gatctgcaga ttataaatat gtttttcagc ctgaaaaata caatttcacg cctctctctc 300
 tcaaaactct gtccaaccac cctagaaact cctcctccac caccacgac caccggtggc 360
 caccacgagc tgccattggt tgccgctgaa ccaccacact gagaggaaca ttttaatcgg 420
 agcggaatcc tcataatcca cctcaaggat tcggtggaga aaaatccctc aatcctttct 480
 tttgtagctt ctttgaggta atcttgactt ctaagtcttt ctcttaatta gttggagttt 540
 ctcttagtgt ctcttggtg gttggatatt gaaatacgat ggttttacac ttcctttgaa 600
 aacccttgaa aatgagacat tgtaaaaagt aatcttttat aaaatt 646

<210> 6362
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 6362

agctttaaga ctattcacat aagttaacaa gaagcaataa aggatcaact gtgaaaatga 60
 attgcattcc catacctaga tcttctccac aattccttcg aatttatata tgcttagatg 120
 catgcaagaa aggattcaag gctaactgca aaccttttat tggctcttgat gggtgtttcg 180
 taaaagggtg ctatggcggg catttgcttg caacagtggg acaagatgca aacaatgcct 240
 tttttgtgat tgcataatgc gcagtaaata ttgaagataa agataactgg aagtggttcc 300
 tcactttggt acctgaagac ataggagact acaagcaata tggctggaat ttcattgtcag 360
 acatccaaaa ggtgccatta aatataaaaa gttgatttca tgctgcatg ggataatttt 420
 gttgtcatgc tagcaatatg 440

<210> 6363
 <211> 624
 <212> DNA
 <213> Glycine max

<400> 6363

tagaacaata tacttggcct tcatttaact gtctttgggc ttggcggcca cgatcaacaa 60

<213> Glycine max

<223> unsure at all n locations

<400> 6365

ttgagccaaa atcctgactc accataaacc ttgacccagg gtgagaatgt caatccttac 60
cctcggaagc aaaaaaggaa tagaaggaa atttccaatc aaagaaaaag agaaggaaaa 120
tttccaatga aagcaaaaaa agaaaggaag ggaaatttcc aatcaaagaa aaaaagaagg 180
aaaattcccc aatcaaagag tgggagaaag caaaaagaaa agaaaggaaa ttcccaatca 240
aagaatggga gaaagtaaaa aaggaagaag aagaaggaaa gaaagccctg atcggggatc 300
gaaggaaaaa acagaagaaa tatgcagaga ggtctttgga ccggacaata tctgaacaat 360
acagaattgt caccaaata acaaaaaaga aggaaggaa accacgacct aaaatggtct 420
tctcccttta attaccaacc aaaatcccgt gcgctagcga cccttttttt ttctcgcccc 480
gcactagaca aaaaaaacg gaaaaaagaa aaaaagccag aaaaatcaaa agccaaaaac 540
acacaaaagc cgaaaaaccc accaaaagaa cccattccca agggaagccc tattgatcca 600
tgatcacgca tgtaatnttt gatttgatag gaagtaattt gcanagtcaa gtcatgacat 660
atctatggnt cngaattang atgaaacact tacctgtgcg agattgata 709

<210> 6366

<211> 409

<212> DNA

<213> Glycine max

<400> 6366

agcttgccctt gcccttgat atatttgagg gactcatggt cactatgaat gacaaattcc 60
ttgggataaa ggtagtgatg gcatgttttc aaagcccgt ctaacgcata caactcctta 120
tcataaattg aatagttaaa ggtaggacca cttaactttt cactaaaata agcaattgga 180
tggccttctt gcatcaacac agccccaatc ccaacattag aagcatcaca ctcaatttca 240
aaagatTTTT gaaagtttgg caacgcaagt atgggggcat tagttagctt ttgcttaaaa 300
acattgaaag cttcttcttg tttctctccc catttgaac caacattttt cttgagcact 360
tcattgagag gtgctgcccc tgtgctaaaa tccctctatt aaaacttgc 409

<210> 6367

<211> 685

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6367

tctacttatg tggcagggcg ggcttccttc actttcttgt ctcccacgcg agctttgacc 60
 actgctcttc cttcccgcga tgcttctttt catgtccgcc tgagtgggct tatagcctaa 120
 accatacttc ccacgatttc cttgggcatt tatcaggcta gttatgccgc cgttgtcttt 180
 gcctaaaccc attccgggtt cataaccgtt cccaacata actcgggcca tcattactgc 240
 tgcacgcggac agacaaggct gccagagaa ggagtccacg gaggaatgc tgaccacctc 300
 aaaagactgg aaagtgggtt ctaacgattc ttttgcggt tccacataag gcatagagga 360
 tgggcagctt accaagatgt cttcctcgac tgacacgatg accaagtgcc cctccactac 420
 gaatttcaac ttttggtgaa gtgtagaggg cacaactccc attgagtga tccacgggcg 480
 cccaacaga cagctgtaag gggggttcat atccattatt tggaaggatga ctngacaggt 540
 gtgagggctt anttgactg ggagatcgat ctctcaccta acctctncgc gagtgctgtc 600
 gaatgcacga accaccatct gactaagctt taagtgggaa gcattgaatg gtaatttctc 660
 caagtgtctt tcggcatcac gttta 685

<210> 6368
 <211> 441
 <212> DNA
 <213> Glycine max
 <400> 6368

agcttcttga agcgtaagaa acaaattcac ttttatggga tgttttccaa acatataatt 60
 ttaaaggaaa aaatatgttt actccgtttg caaaattctt gatttttagat gctggctcta 120
 tattttacca ttgaacattt tgatcccgaa caaaataagt attattagtc cattgagaca 180
 atactgtaca aattagatta accgcatgtt tgtttttcag tttcaaaccg atgtttggag 240
 taaaatgaat ttacaaaag catttaaate cttcctttta caaaactaat tttgcggaac 300
 attacattta ttttgaaaat tgggcactac atttttaact aaaaatcaaa catgcactct 360
 aaagactttc ttatgagaaa tgggtacact tgagcaacag tgcttcatat ttctatgata 420
 attataaact acaattttta c 441

<210> 6369
 <211> 584
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6369

 ttttgagaga tttaaatttac cttatagaga gtattttgtg aatttgactg cataacaaat 60
 taaaagtaaa acaataaata ttttaatgat atgagacact taaagaatta aaattaatca 120
 aaatatttaa caagaataaa agtgtatttt attaatgtta ggagtaattt tacaaaaatg 180
 cgtaattttt tttatcttaa taaattagtt aattgggtct taaaaattca gcaagagtaa 240
 aaataataat aattnatact tcttccttct ctttttctat ttataagaca tttcttaaaa 300
 agactatttg tacttttata taatactttt ttcaaaaaaa attattaatt attttttaac 360
 ccanatatat ttattcattt tctcctgaac gccatanagt aactaaatac attctttttt 420
 cttctctcgt aaaaaccaca caacatgact gaaacatatt aattccttac gcaaaaatta 480
 agatttgctc tgcattatat atttgagtgt agattttagt gaacatatcc aattttggga 540
 cgaacacatc atacgtcaag aattataaaa aaaataatgt attt 584

<210> 6370
 <211> 514
 <212> DNA
 <213> Glycine max

 <400> 6370

 agcttgagct tgggtcaacc ccgtaatcca aggaatggca attctgatcg ccaatacttc 60
 aacaacatct catagggatg aatgactcgg gcatacttta agcttatgca tggaaaatgt 120
 aattatgaaa ttgagatgcc cgaagaaaca ccatttccta gtaaccatg cattaggtac 180
 catgttcaat tattttgttt ttaagtgaat tgggtttatg atcccaacat ggttggtctca 240
 tggtgcttaa cacatgaaac taagaatgta gtgtgaagtt tcacgcttcc cttttttttg 300
 tttttgtttt gtagaggaaa acgcaaggat gagcaaacat gaaaacaaat ggtatgcaat 360
 tttgcagatc aaaaagtttg ttgaacgcat atgcatgata atgccatgac tcatgcaaaa 420
 tgtgaggctg gaatatgata acggacaaat gcacgatatg tccattatga tgttatgaaa 480
 agatgcttat gcgatgcatg atatgaatgc attt 514

<210> 6371
 <211> 586
 <212> DNA
 <213> Glycine max

<400> 6371

tccacaatat ccaagcaatt caattccaaa tatcatgaaa ctaccctaag ccaagaaaac 60
 agagtagagg cagaaaactc tgcccaaac acattcaaat accacagctt tccttattga 120
 tataccccag taacattctc ttcgttccga tttgttaacc gttggatctc cttgaaagtt 180
 tttgtggaga ttcctagtac ataaataaac attttgaccg ttgggatctg ctagaaaatg 240
 tctggaaccc gatatgtact actcttccaa tgactagcaa tgcacaagca ttattccgca 300
 catttggtca agttggttgc acaatttgac agcattttgc tgcacaattt ggcagatttc 360
 gaaatccaac ttgccacat ccagtgttgc tcaaattgga tcctacaagt cctaaatcat 420
 gtatgaatca tatttgaacc aaaaacaagc ttcagatcaa ggtaaataa aatctatgta 480
 tccaaaaccc atcaatttag tggattttaa agtttgaaaa gtgaaaatga gacttgcgta 540
 attttagggg aaactctcat ctcaatcaag tctataacat ttgatt 586

<210> 6372
 <211> 552
 <212> DNA
 <213> Glycine max

<400> 6372

agcttccatt ttcaattgcg agcatctcga tatattacgg gactcaatcg tacattcgag 60
 taaaaagtta ttgttgtttg aatatgctca catcttcagt attcaatttc gagcgtctca 120
 atatattaag ggacttaatc ggacatccga gttaaaagtt attgtcgttt gcatttgcta 180
 cgagcttccg ttttcaatta cgagcgtctc gatatattac gggactcaat gcaacctccg 240
 acttcaaagt tattgtcatt tgaatttgct acgggctttc gttttaaatt tctagtgtct 300
 tgatatatta cgggacttaa tcgaacattc tagttaaaag ttattgtcgt cagcatttgc 360
 tcagagcttt cgtttcaaag acgagtgttt cgatatgtta cgggactcat ccgaattaaa 420
 aagtattggc gtttgaattt gctacgagct tttgtattca acttaaagcg tcttgattat 480
 gttacggggac tcaatcgaac atccgagtaa aaggatatatt gggttggatt tgctacaagc 540

ttccattttc aa

552

<210> 6373
<211> 559
<212> DNA
<213> Glycine max

<400> 6373

tcattgcta acaagccaac ttacaacagc aagccccaag agactcagca taaggatgca 60
cagaccaaag ttgcgtatgt aaaaaaattg tatgaccaag tgaaggtgca aattgcaaag 120
aagaatgaaa gctatgccaa gcaagcccaa aagaaaagga aggaagtggc acttgaaccc 180
ggatgatgatc ttggacattt gaggacaaat gttttccaag aaggaggga tgatgagaat 240
catgaaacag gccaaatata gtctaaaggc ccaagtggag aaggacgaag gcccaagtgg 300
agaaggacaa agccccgag tggagaagga tgaaggccca agtggagaag gatgaaggcc 360
cagaggcaga gacactatca agactattaa ttgatgctga aggccaagat taatttgaag 420
gcccataata aatatgttct atttagttat aatttttatt tattgtaatt ctggcccata 480
ctggtttagaa ggcccatgtc tatattttatc tctttgttta gctacactat aagtatgggt 540
ttttgttatg aataaaaaa 559

<210> 6374
<211> 481
<212> DNA
<213> Glycine max

<400> 6374

agcttggttaa ctgttagatc attgtcaaatt ttgaacacca ggtttggaac ttatttttgc 60
acattcccac agttgggatt tgtgaaataa tattttctgt aagagaaatg tccctcacac 120
gtaactttct tttctcgcat atattcaaatt ttgtccatt agaactatga tcgcagactc 180
tttaactgtt caatcatcgt gaaatttgaa caccagggtt ggaacttatt tcctcatatt 240
ctcatcgttg gaatttgtga aataatatct aggagagata aatgtcccta gcacaaagac 300
attgaaatag aggcttcaat cccttctcct tctctctaac gcttggaac cttagcagag 360
caaccagaga aaaagcatga ggaatcttat gaattgctag agactctcca tattgtgaga 420
atcatttttg tataatttgg ttgtggtctt ggacaagatt tactagatta tcgcgataaa 480

t

481

<210> 6375
 <211> 640
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6375

ttaattcaag atcaagaaac taagatcaag agtcagataa agacttagtt tatttggttaa 60
 aagaatctca cattgggttaa taagggttgg cctcaaaagc ttgatttttaa aatgattata 120
 taaagcttta aaagatgttt taccagcaca aaaataagtt tttttgcact ggtaatcgat 180
 taccaagtat tgtaatcggg taccagagac aaattacata aaaatatttc tagaaggatt 240
 ttgaaatttg aatttcaa atgttgtaatcg attaccactt gtctgtaatt gattatcagt 300
 gacaaaactt cataagttaa ctttgaaaag tcatgacctt caaaacataa ctgtgtaatc 360
 gattatcaag acattgtaat cgattaccag tgagagaatt tttgtaaaat attctgaaaa 420
 gtcacatctc ttcaaaagtt tttgaaaagc caccaaggac atataaatat gtgacttgtc 480
 tatgaaaata tntagagttt tctgatgcaa tcttaccctt acaagggcat tagatagaag 540
 actccaagta gatcgggcta gagatgcaag agaagcccta tggttctcat gagccttang 600
 gtagaattca agcccatggg ctaagtatga ctccacttta 640

<210> 6376
 <211> 443
 <212> DNA
 <213> Glycine max

 <400> 6376

agcttgtggc tgaattatta cggactaact aataaagttt ataatttata aggctttgga 60
 tttgctatta atgttggagg tottatatat gcttcagcca cttctctctt ttctcgtctc 120
 aaactattgt aaaccaaaaa ctccaccttc tttcccaact tcatgatcat gtggcagttt 180
 atattataac aatgttttag taacataatg atactatttt tagaataatc acacaggaaa 240
 ctaagctaaa ttttgtccca gagtgatttg tttctcgggg atttgaaaat cactatcatt 300
 ttatgtgtgt gtctgtgctg ctatacgtaa ttcatctgct actattgggt tggatctgtt 360

gaataaaaaa aaatatatct ggtaaaagtt tgaaatctct gttggaacag aagtattttc 420
aaagaaaaat acctattgaa aaa 443

<210> 6377
<211> 649
<212> DNA
<213> Glycine max
<400> 6377

tgaagtgtcc agttgtgatt tttgttttcc agttataatt ataaatttga ctttattttc 60
taactatcta aattcttatt ttatattatc agatagtctt tttggggata gacaacatcc 120
atgcatgag agagagcttt gttcggctcc gagaatacat ggacactcat ggaagaacgt 180
catcagatgg aatgtcctct tttttgggta gtccgtgaat gttaaaacaa aatgtaatta 240
tcatttttca ggtagtgtaa atttatttgg ttccatata gacctgcaca atatttatgt 300
tttagtcctt acaccttaaa attaaaaact acttgtttta gtcccaatac atacactttt 360
taagtcgctt aatccctata gcttctgcgt gacagggatt aaaacgggtt aaaaaatgta 420
tgtgtaggga ctacaacgag tagcttctag gtgtaggaac taaaacatac atatgggtgca 480
taggtataag gaccaatga gtaattaaat catttatttt taatagtata tatttgatat 540
ttgaagagtg atactactat tagctgtata atgacacttg tagattagat atttaactct 600
tcttcatgat gcttaataata tatcttaata ttatttaata cttttttct 649

<210> 6378
<211> 362
<212> DNA
<213> Glycine max
<400> 6378

agctttgatg caacatttgg agagggttaat gaaacaacga gatgatgcgc tccatgagag 60
gttggatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gagggaatga 120
tagtggtcct aaacaaaacc gaattgatgg tattaactc aacattcctc catttaaagg 180
aaagaatgat ccggaagcct acgttgagtg ggagatgaaa atagagcatg ttttctcatg 240
caacaactat gaggaggacc agaaggtgaa gcttgccgcc acggagtttt ccgactatgc 300
tcttgtgtgg tggaacaagc ttccaaagga gagagccaga aatgaagagc caatgggttga 360

ta

362

<210> 6379
<211> 583
<212> DNA
<213> Glycine max

<400> 6379

tatgaccatt cgaatttctc aagagtttcc gttgttcaat ttcgagcgtg tagatgagtt 60
atgtccccga atcggacatc tgtgtgaaaa gttatgacca ttcgattttc tcgagagctt 120
ccgttggttca atttcgagcg tctcgatata ttatgacccc gaatcggaca tctgtgtgaa 180
aacgtatgac cattcgattt tctcgagagc ttccgttggt caatttcgag cgtctagatg 240
agttatgtcc ccgaatcggc cattcgagtg aaaacttatg accattcgaa tttctcgaga 300
gcttccgttg ttcaatttcg agcgtctcga tatattatgt ccccgaaatcg ggcattccgag 360
tgaaaagtta tgaccatgcy attttctcga gagcttccgc tgttcaattt cgagcgtctc 420
gatataattat gtccccgaat cggacattcg tgtgaaaact tatgaccatt cggatttctc 480
gagagctctt cttgttcaat atcgagcgtg tagatgagtt atgtctcga atcggacatc 540
tgtgtgaaaa gttatgacct tctattttat cgagagcttc cgc 583

<210> 6380
<211> 407
<212> DNA
<213> Glycine max

<400> 6380

agcttttcaa atgggtaaaa ggctcacatt cactttcttc tacattatat tcaaacttgt 60
ccaaataaat aataaagtca tctcgactca aagaaagtca tataagtctc atacaattaa 120
tatagaacct atatccta atgcacatcct atcagagcgt ggtgttcccg tgcctctag 180
catgaggttc ttcatagtca tccacctatt catctgctcc cccgaacaca agttcaagat 240
catcacagga tccaaacaca acaacacaca gggagtgagt tatcacattc ctagctaata 300
gagaaacaag acaattaaat atacatatta tataaatgag ataccacttg cttaaacata 360
actcacgtaa cttcaccact tcgtcattca aaattcactt tttaatt 407

<210> 6381

<211> 605
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6381

tggccatatt cctaattctc ctctccttta actaaacatc ttgttaatat ttgggttatt 60
 gtatatttct taatactcat aaaattctgg ctcaagtttc aattctcact ttcacggagg 120
 taagatccta aattccaaat caatttatgg attatttgat ttttaattgaa tcattgtgct 180
 tatacaaaca cccactcata ttatgggtta ataatttgat tcattttttac ggggtgttgta 240
 agtagattat ggatgcaagg aagggtgttct atgaaatgcc tgaaagaact attgttttctt 300
 agaactcggg tatgactgct tgtgttgaga gtctttcatt gngtgatggg attgagtatt 360
 tttttaggat gtgggggttg gcgtttgagc ctaatgagac ttccatgggt gtgttggtgc 420
 tctctacttg tgttcttcaa gctccatcca tttctatttc ttttttatta attactaata 480
 atactatata tgctattgta attgtattaa taatgagtca ttaataatac tatatantgt 540
 atggctacta tatatggcta ttactngtag ttgaattcaa tgacttattt tctgatctcc 600
 gatgc 605

<210> 6382
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 6382

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 cagtgccttat ttttccaccc acatactaca gatactgcag aatttctgcc ttaaataagc 120
 tgcagtgcct gtacataact tcaattaatt tgaatctgct ctgcaaagtc tgcagaattt 180
 ctgccttaac caaattagga ttttccaccc agataccatc aatcagcatc cccacaagt 240
 gaagaacaaa tgggatgcaa actcaggctt gttgtggcag aaagggcata agtcactgtc 300
 agtttgaatt tgccctcttcg ctagggttat cttagtagga agtctatccc ataacaacct 360
 ccaagcaaag gacaaggcta tcggggggaa tttaatatcc cagagttgct ggaatgccaa 420
 gtactgaac 429

<400> 6383

<210> 6384

<400> 6384

<210> 6385

<223> unsure at all n locations

<400> 6385

2714

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aaattgcaac tttaatatgt tagagggtgag gaatcatggc tctacttcaa caagacttga 180
tttaagatct tcaaacatgg aattctcaat atgttgagtt ttttggcaca taagatggtc 240
ttgttaaatt attagactct ttgtatgtcc agcatagccc aatagcatcc gttgacaagt 300
ggatgaccat tctgacatg gggttatgtca ttgtaattga atttgtaaac aggaatcact 360
ttgtgttggg atacaacata ttcttaagag attttttagt attgtaacca ttaattgatt 420
tgtttgctaa cactatatgt ttttctttaa taacctatat gtatttgaag gatgattggt 480
ccctttgtaa caccctgaaa tattactaat tataaatcga tgtttaattg tatttatcat 540
ggttattgac tatatggctg actctaata gaattgacgtat gtctcgaatt antcatgtgt 600
gaatttcttg atgtggatgt tgagttatgt ggacgtttgt tgagctaagt tgaaattatg 660
agaattcaaa aattaccta acctatttga gtaaa 695

<210> 6386
<211> 548
<212> DNA
<213> Glycine max
<400> 6386

agcttttcaa atgggtaaaa ggctcacatt cactttcttc tacattatat tcaaacttgt 60
ccaaataaat aataaagtca tctcgactca aagaaagtca tataagtctc atacaattaa 120
tatagaacct atatccta atgcacatcct atcagagcgt ggtgttcccg tgcctctag 180
catgagggtc ttcatagtca tccacctatt catctgctcc cccgaacaca agttcaagat 240
catcacagga tccaaacaca acaacacaca gggagtgagt tatcacattc ctagctaata 300
gagaaacaag acaattaaat atacatatta tataaatgag ataccacttg cttaaacata 360
gctcacgtaa cttcaccact tgcgcattca aaattcactt ttaattatc aatcacatta 420
cacaagaatc ccacacttcg atcaagatat aataacacat caattagcaa gcatatgcaa 480
tagttatgct aagactccaa tttatatgcc atgtggaacc atgtcagtga aaaaccaccc 540
tgggggcgc 548

<210> 6387
<211> 675
<212> DNA

<213> Glycine max

<400> 6387

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gtatatttct taatactcat aaaattctgg ctcaagtttc aattctcact ttcacggagg 120
taagatccta aattccaaat caatttatgg attatttgat ttttaattgaa tcattgtgct 180
tatacaaaca cccactcata ttatgggtta ataatttgat tcatttttac ggggtgtgta 240
agtggattat ggatgcaagg aagggtgttct atgaaatgcc tgaaagaact attgtttctt 300
agaactcggg tatgactgct tgtgttgaga gtctttcatt ggggtgatggg attgagtatt 360
tttttaggat gtggggttgt ggggttgagc ctaatgagac ttccatgggt gtgttggtgc 420
tctctacttg tgttcttcaa gctccatcca tttctatttc ttttttatta tttactaata 480
atactatata tgctattgta attgtattta ataatgagtc attaataata ctatatatgt 540
tattgctata ttatattgct attacttgta gttgaattca atgacttatt tctgatctcc 600
gatgcttatc ataatggtag agatacaatg tatttgctct ataaaccttt gggtatatta 660
ctctatggat tttaa 675

<210> 6388

<211> 529

<212> DNA

<213> Glycine max

<400> 6388

agcttataat aacatggcca tcattcacia actttgtata catgcatcta ttagcatcac 60
tactagaaaa accatcaaca agtaaagtct cattaaactt ttcatgccat tgtttaggaa 120
cttgttttaa accatatagg gatttcaaaa gtttgacat tttgttctct tgaccatcca 180
ccacacaccc cttaggttga gtcatatata tctcttcgc taaatcacca ttcaagaaag 240
ttgtcttaac acccatctga tgaatcacta acttatggat tgtagctaag gctatcaaaa 300
tctaatgga ggaaatcctt gtaatagggtg caaagggtata aaaaaaatct atgttaggtt 360
tctaagtaaa cccttttagca atcaaccttg ctatgtattt atctataaaa tcatcacgat 420
tatacttcct cttaaagatc catttcatc caataagatt tgcaccctca aatagatata 480
ctaaattcca tgtattattc tttttaataa aatcaatttc aatcctaatt 529

<210> 6389
 <211> 722
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6389

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 aaataaacta tgaaagtaag caagaaatta aagtgaaga aatgtaaact aggcggatcc 120
 taagagtgtt tggatgacct catttaaggt ttccaacaaa atactcacta tcctaaagaa 180
 aaattgccta aaagtattac acacaaatgg aagtaggggtg acctattgga ggctcccaac 240
 ttacttccaa tgaaaggcct ttttgttata aaatttgaaa gcaatgaagg taagtaaatt 300
 ctcaattaaa aaaattacaa aaaggttctc aatTTTTTgggt gattgttctc tctttgggtga 360
 ttcactcaat ttggagtgtt tcttagtcca atagctctta aggttgtttt ccccttgctt 420
 cttgactcaa attcttcaag ggatgacacc aatcctcctt tccaattccc tatatggcaa 480
 ctcacaaaca aggaacaaaa gagacaagca ataaccaaag acccaaaaaa tgaaatgaaa 540
 gctaaaccaa tagagtttta acaagacaaa ttttcaggaa tttttcaaca attaaagcac 600
 ataaaagaaa gctaggactc anagagaaac ttagaatgac tctagagtag agtanaanaa 660
 acccaaatta aaaagactca ngaaacctcc tagttttgga acttggtttt cacactaatt 720
 tt 722

<210> 6390
 <211> 467
 <212> DNA
 <213> Glycine max

 <400> 6390

 agcttttaat atgtgcttac gagtgaactg gtctatactt atgttattca ctcaacagtt 60
 gtgtcttgat tcaccaattg tcattaacaa gttcccttta ggttgaacat cttgacttca 120
 tttgactttt acaaatcttt tataaaggct tgctatatat gccggttatt ctctgatata 180
 ccactggaaa atgtaaagggt ttttcctcat ataattgttt catctaaatt tctcacgaag 240
 aagattggga agtgggtgtt caactgggtg gtctttcttt aggcgtattg attctggtaa 300
 aatacataaa attttctgga tggctttatt acttgttacc aaaacacctt tttgttgga 360

ctatacatc ttttaacttt ttattgcagg atacaccctg gccttgtaaa aacattatgg 420
gtaatttcaa taacttggtt gagtatgcc aactatgcatt cttttgc 467

<210> 6391
<211> 675
<212> DNA
<213> Glycine max

<400> 6391

ttgaaaagta atgtagaagc tattgacaaa tattggtaca gttgataaat attagactca 60
taatcttaca agagtggagt tgataaatat tagactcata atcttacaag agtgtgagtt 120
tgaatcattg ttaatatata aatcttattg ctagacaatc tgtaaatatg tccataagca 180
ttcaataagc tttgaagcat gttgtgaacc ttaaaatcca actcactctc actccattgg 240
gaaaaaata agcttccact gaaattagca tagttgactt aaaggcaatt taatattttg 300
atcttgcaaa aagtcaccga caatattcat ttttagtaat gtgtttttaa tattttcttt 360
ttgacatatt ttttattttt agtttcagct ttaattaaaa ttcatgaaa gctataaaag 420
tataagattc attaaataag tgaaaaacac tgaattttta attttcaata aattttaata 480
aataaaatag agttcaattc attgagttga taaaacaaat tctagtggagg ttgccactat 540
actacatcat caaagttatg tatcgattta tgtgcgggga ccatacatc ttgcatataa 600
aatctcgaaa ggagttttgt gtcccccactc aagtaaaacc gcatactaca ttttaattgag 660
atgtgaaaaa aataa 675

<210> 6392
<211> 397
<212> DNA
<213> Glycine max

<400> 6392

agcttctagt ctcaattttg agcgtctoga tatattacc gattcaatcg gacatccgag 60
taaaaagtta ttgtcgtttg aatttcctac gagcttctgt tttcaatttg gagcgtctcg 120
atatattaca ggactcagcc ggacatcctt gtataaagtt attgtcaatt caattttctt 180
agagcttcgg atcaaaaatt tgagcgtctc gatataattac gggactcatt cagacatccg 240
agtaaaaagt tattgtcggg tgaatttgat acgagcttct gtttttaatt tggagcatct 300

ctcgataaaa tacgacactc tgtcgggcat ccgagtaaaa gttattggcg tgtgaatttt 360
ctaagagttt ccgttttcaa tttgggagcg tctgata 397

<210> 6393
<211> 584
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6393

ttgaataaat tgaaacgaca aaaactttat acacggatgt ctgggtgagt cccgtaatat 60
atcgagacgc tccaaactgt aaacggaagt tcgtaggaaa ttcaaacaac aatatctttt 120
tactcggatg tctgattgaa tcgggtaatc tatcttgacg ctcaaaattg agactagaag 180
ctctgagcaa attgaaacga tattaacttt atacacggat gtccggttga atcctgtaat 240
atatcgagac gctccaaatt gaaaatggaa gctcttataa aattcaaacg acaataactt 300
tatactcgga tgtccggcag agtctcgtaa tatatcgaga tgctccaaat tgaagacgga 360
tgctcgtatc aaattcaaac gacgataact ttntactcgg atgtccgatt gagtcccgtg 420
atatatcgag acactcacia tttagatcca aagctctgag caaattttaa cgacaataac 480
tttctacacg gatgttcagt tgagtcccgt gatatatcga gacgcttgaa attgaaaaag 540
aagctcgtac caaatccaac gacaataagt tttactccga tgtc 584

<210> 6394
<211> 363
<212> DNA
<213> Glycine max

<400> 6394

agcttgtacg cgatgccata tggctattac ttgcaaatgc ctattctgaa gccaaagacta 60
ctgcatggtt gaatgaattg tgcattgctc gggtaactgc aataacttct tcgctgcttg 120
acgattgttt tgtggaggca tccaatgctc taatgtcaca accaattact aaaggagcct 180
atatatatgt atgtacaaaa aaaatgtact tattatgcaa aatatatttt tcttcaagca 240
attctttata tggaaatgtc taagcaacat gagttaaatt attagctaca agttacctta 300
tctaattgcc atatgctgaa atgagcgcga tattcttctt gttgaatgcc tccattttca 360

act

363

<210> 6395
<211> 298
<212> DNA
<213> Glycine max

<400> 6395

tagggactat gattctccac cattacaggg gctggaccct actggtggag attgcagcca 60
ccccaggatt gatactctgt gctaaatgat tgctgactga gaagccttaa gatgctaaca 120
acccggtgcc ctgctgcaga gtgagcttcg attgtcttca tacatgcata gacattgata 180
atataccagt actattatgg caagcgcctt gctctgagtc ctaaacccta ctcaagtaca 240
cagctccgta cctactgcat ctccatctta ctgcttactg aatagactgg tgctgttt 298

<210> 6396
<211> 414
<212> DNA
<213> Glycine max

<400> 6396

agcttgaaag tgtgtaacca accatcttct cattgtagaa caccggtaac gtgtatacta 60
tcattgtgat catctttttc tctgtcattg aagggtccac ttgagctgtc aagtccttcc 120
acctctgggc gtattccttg aatgactcat gctctttttt acacatgttt tgtagttgcg 180
ttctatccgg agccgtatca taattgtact gatattgcct aacgaaggca accattaagt 240
ccttccaaga atagactcgg gaaagttcca agttagtgtc ataccctaatt ttcgtccggg 300
gattattact tgacgacatg caacctttga ttggccgttt caagatactt ggcccccttt 360
gttgacacaat atgtaagtct tgagaccac cggagtcaaa aagaaccagg gtta 414

<210> 6397
<211> 710
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6397

tttcgattca ttctatgtac ccgtagtggt ccacattgtg tttcgtgcat ttttattctc 60
gttttgttta ctttttatac cccctctttg acgtgcttaa gccattttac ttaagtcatt 120

tctcgcttaa cttaaaaata aaataaattt ccaccgaatg tttgaattgt attatccatt 180
aacttcgggtt aaaatcaatt ccgaccgttc ggtcatgccg taaccacgtt ggaaatcaaa 240
aagaggtaaa aaataatata ataatacaaaa aaatatcttt ttagtgaaat aaagcggaaa 300
atcaatcgga cgttttctct ttgggatttc tcattcttaa tcgaattaat taataactaa 360
agtgaacta aggctaaaat caactttgct agtcaagctc gtccacaaaa ataggctttt 420
gaagtttgct atttcaattc ctactaaga aaaatggatc atttttaagg tccaacgcct 480
tagaatgacc accacttaag taaaaaagaa tcacttgata agaaagaact acgtaggtat 540
gattttctca tccanattg aggaatacgt aggagcaaag ggaaacaccc ttgtcgacca 600
caaaaaagaa aaaattaaaa gggataagg attcatgaac atanaaggac ataaaaataa 660
agtcatgttt cacattcgat aaaagctgcc gtcctttgga cgggcgtgtg 710

<210> 6398
<211> 524
<212> DNA
<213> Glycine max

<400> 6398

agcttatgca gcaaataat acaatagacc tcctcaacct cagcagcaaa atcaaccaca 60
gcagagcaat tatgaccttt ccagcaacag atacaacctt ggatggagga atcacctaa 120
cctcagatgg tccagccctc agcaacaaca acagcagcct gctccttctt tccaaaatgc 180
tgctggccca agcaaaccat acattcctcc accaatccaa caacagcaac aacccagaa 240
acagccaata gttgaggccc ctccacaacc ttccctcgaa gaacttgatg ggcaaatgac 300
tatgcagaac atgcagtttc agcaagagac cagagcctcc attcagagct taaccaatca 360
gatgggacaa ttggctaccc aattgaatca acaacagtcc cagaattctg acaagctgcc 420
ttctcaagct gtccaaaatc ccaaaaatgt tagtgccatt tcattgaggt cgggaaagca 480
atgtcaaaga cctcaaccgg taacactgtc ctcatctgca aatg 524

<210> 6399
<211> 599
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 6399

tgtctcagtg tctatgcgag acagaaacca acatgttagc catcatcgcc aagtaccaag 60
aagagttggg tctagccacg gccacgagc atagaatcgc ggatgagtat gcccaagtat 120
atgcggaaaa agaggctaga ggaaggggtga tcgactcttt acaccaagag gcaaccatgt 180
ggatggatcg gtttgccttt accttgaacg ggagtcaaga acttccccga ttgttagcca 240
aggccaaggc gatggcagac acctactccg cccccgaaga gattcatggg cttctcggct 300
attgtcagca tatgatagac ttaatggccc acataattag aaatcgttag gaaacttgta 360
tgggtctctca gaccttgact agatatgatt tctttttttg aaataaaatg agttgggtccc 420
atgtttctac tccaaaaagc ttgtgcaaat caaatcactc ctacgtctca tctctagcat 480
gcattttctt tctttacca ctcctcacgt ttggttnttt agggaaaaca ccataactaa 540
acgcgccgca agggatccct atcgcaccag atccaaatct agaacgatgg gtgatcaag 599

<210> 6400

<211> 467

<212> DNA

<213> Glycine max

<400> 6400

agcttttcaa actattttga tgtctgaggt tgtattcttg aatcagtaat gtccacacta 60
ttctcttttt tgtattttta ataacatgat ggtgataaaa tgttgaggat atatgctttc 120
ttttgtttta gtttttcttg ttggaatata tttttttatg ctttagttca aaatttatat 180
ttttaaaata taattagaaa aaaatatata taaattttta agttgattat tataaaaaata 240
tttttttatt tatatgacca tttatatattt taaaatataa ttggagaaaa aataaaaaaaa 300
atgaaacata ataaactgaa agtattttaat tcaaacaag aattcaaaat ttaagaaatt 360
taaattgggt tatccaacca acaaatttaa aaaatctaag cattttaatt caacaacccg 420
cggaaagggt tgtttttcgg tgaattgaca gtgacttgta aaatata 467

<210> 6401

<211> 661

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6401

tgggtggaaa ctacaggtaa tcagatatga caatatgtga caaatTTaat aagttctatg 60
aagatgcgga catagaacaa tagttgacag caccttattc tccttaacaa aatggcaccg 120
tagaaaggaa gaataggact attatggaga tggctaggtg tttgcttcat gaaaaagaat 180
tgccaaagag attttgggcg gaagccgcaa atattgcagt tttcatgctt aacagactgc 240
caacaaaagc tttgcaaaag aagacaccat ttgaagcatg gtatggctat aaacctgagt 300
tgctcaatct gaagatattt ggttgtttgt gctttttctt acattcctcg ggttaagaag 360
gacaaactat acaagaaagc agaagctgta acctttgtag gctatagctt aatttcaaag 420
gcctacatga tctatttgcc acatcatgac aaagtaattg ttagcaagaa tatgagattc 480
ttggagctgg atagttggaa ctgggaagat gacaagaaga ttgaatntca gaaggagaat 540
gagaacatag acaaagaacc tgccagagga acaagatcac tttttgatat ctatcanagg 600
tgtaatgttt ctctcatgga acctgcacga tatgaggagg ctacaccaat aaaaaatgga 660
t 661

<210> 6402
<211> 338
<212> DNA
<213> Glycine max

<400> 6402

agctttcaga aaatgtcaat gtcgagcata tactatTTTT cttccatggt tcagttgtat 60
gtagcttgta tcttcttcac agatagggca tgcattgatg tccttaacac tgtatccact 120
caaattcttg tatgccgaaa agccattaat gggaaaaaat agcattgcat gcaacttgga 180
tgccctcattt tgatacccat caaacatgac aatccctttg tcccataact ttgtcaagtc 240
tttaatacaag ggactaagat aaacatcaat gtcttttctt aagtgtcttg ggcccaatat 300
tatcataaac aatatcatgt attttcgctt catgcaca 338

<210> 6403
<211> 566
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6403

ttagcttgag ggggtgtgtt gagaatcaaa ataggatcaa tttcatatatt tgtctttatt 60
 atcataatta tacgaacaat atctcctata attaattgta atttatctat ataaaggagc 120
 atccacagtg gacacatgga ttcagtcact tatccctcta tattttttct cattttacta 180
 cctttattga aaatctacca aacctagatg gagtcttttg tcatgtatat tggccttaga 240
 tatcaatttt atttcttgac taaatcaaat gtgattcatg aacatagtta ttgatttgtg 300
 gctgtaccag cacgatagcc ccaccacggc ctccagctgt gcaacaaatt tcagtttgtg 360
 gagcacttta aaatcatgtg tgtcacattg caatctgcag cccaaattgc tgccattcgc 420
 aactgctat tacacctgga gggtaaagcc ccattttgcc ccattctctg acttttcac 480
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 ccgagtctct tactacttca atcatg 566

<210> 6404
 <211> 512
 <212> DNA
 <213> Glycine max

<400> 6404

agcttggttcg cacatcgttc gcgtgtatga tatccactcg acaaggtttg aagtagagga 60
 gacctttaat cctataatgc aacgtggcgg acaaaagtgg gcagttaact tgaatggcca 120
 ttattgtcaa tgcggaaggt attctgcgtt tcaactatcca tgttcacaca ttattgcagc 180
 ttgtggttac gtgagcatga actactacca atatatagat gttgtttaca ccaatgagca 240
 catcttaaaa gcatacttcg catagtgggtg gcctcttggg aatgaagcgg caattcctcc 300
 ttctgatgag gcatggacac taatccctga cccaactaca acttgtgcga aaggtcggcc 360
 aaaatcaaca aggataagga atgagatgga ttgggttcaa ccatctgacc accgacaaaa 420
 atgtaataaa tgtgggagca aaagcacaat ttgcgcccac gtcaaatgca atctgaccgt 480
 gggaagtaat cattttaatt gatttatgta tg 512

<210> 6405
 <211> 592
 <212> DNA
 <213> Glycine max

<400> 6405

tgctacattg atgcatcttg gctacggaat ctctgatttg ggcacttaaa ttttggaggc 60
 ttaagtttgc tatcaaagga gaagatggta agaggactac cctatattaa tcaccctgat 120
 caactctggt aaggatgttt acttggcaag aaatttagaa tgatttttcc aaaggagtca 180
 aactcaagag ctaagaagcc acccgagcta atacatgtta acgtctgtgg gccaatcaag 240
 ccccaagctc actacgtaaa aataaatatt tcctcttttt cattgattat ttttcaagag 300
 aaacatgggt ctatttctta tagcaaaaat cataagtctt ttccaccttc aagaagttca 360
 aagctgcagt agataaagaa aattggtgag agatcaaagc cataaggact gatcgaggag 420
 gagaattcac ttgcaaaaag ttcaagagtt tgtgaagaga atgaattaga cgtccctga 480
 cagtctaaga cccccaatag atagtgtggc agaagataaa atagacgatc cttgatatgg 540
 cttgaacatg ctcaaaagca gaactgcca agaatttagg caaagctttg ca 592

<210> 6406
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 6406

agcttgaagg caaactggat gcattgggta acttggtaac ccagctggcc ttgaatcaga 60
 aatctgtacc tgtcgcaagg gtttgtgggt tgtgctctc tgctgaccac catacagacc 120
 tttgcccttc catgcagcaa cctggagcaa ttgagcagcc tgaagcttat gctgcaaata 180
 tttacaatag acctcctcaa cctcagcagc aaaatcaacc acagcagagc aattatgacc 240
 tctccagcaa cagatacaac cctggatgga ggaatcacc taacctcaga tgggtccagcc 300
 ctcagcaaca acaacagcag cctgcttttt ccttcaaaa tgttgctggc ccaaacagac 360
 catacat 367

<210> 6407
 <211> 661
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6407

tctatagtta tggaataatc gattatcaaa tgtggttaatt gattagtctg atacacgaag 60
 aactcctaaa gtttcctaac acaatataaa tgattactaa atgtggtaat caattatctg 120

gaaccacaac gacttccttc tggtggaact agcttatgta atcggttact aaaaatggta 180
atcaattaat ttgatgattc ttatcaaatt tcaagagaag tgagttttgt tgcttgttct 240
aacactttgt aattaattac caaacttggg aatcaattac actatggtga attcattgct 300
tctaagaaac tttagatta atacatttat cttatcatgt tggattccta ctaaacttat 360
atgataaaac taagtctaaa acacttgta tgcctagtct aaaaacattt gatagaaatg 420
tcacatctta aaaaacttgt ttggcgttgt aaacttatta aaaccaaag atcctaagac 480
taatcttcaa gtcttcaatc actttgattc aacacgcaag accacttgaa taagaaaatg 540
tggtgtgctt tctaaattaa aagggaaggc ttgtgagaac catanggtgg agacttactg 600
tagaatgtgg gttatataac catacagcga tgtgaacatt gcttggtcat tcatatgtta 660
g 661

<210> 6408
<211> 479
<212> DNA
<213> Glycine max

<400> 6408

agcttcattt gaacagtcag ctctttaagg aaaaaaaaa atcctctttt ctagcttatg 60
tataaataaa atactaattg gacaacgact aacgtatttt gttgaactag attttgaagg 120
gtatgatgca cgagaaaaga aatagtttgt ttgtgtatgt tttagcgtg gacatatgta 180
aacttggtta tgtaaaaaaa aagtgtcaaa ttgagtttat attgaaatta aaaaaatcc 240
ctagaaaagt aatataataa aagaaagata acataaaaaa taataaaaac attatcttac 300
aaagctttat tgttattaaa attagaaaac tttctcataa catattttat cgtatcatcc 360
gctacttagg tcgaattctc aaaaaaatat gattctaagt aaatgttctt gcattactgt 420
gaactgagta aatctatctg aagagtacat gacatggatg caccctacaa cttagatca 479

<210> 6409
<211> 611
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6409

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ccatttcatt cttaactcac tttctcctca atatggctct tttaaatttt tttacaatat 120
acataaagac aaatgggtcta ttaacgaatt actaaccatg cgtattcaag agaaagagag 180
attgaagcat ggggcacctg aaagtgtca tatgggtgact cataataaag gaaatgggag 240
aagagacaat ggtgttcttg gagtccacaa gactgtccaa atgaagcgga atgaaacaaa 300
gattgattgc tttttctgta aataggtggg acataagaaa aatgattgtc tcaaatacaa 360
gaaatgactc gaaaagaaag gtaattttac ctttacttgt tttcactact acaaaaaaga 420
ctttntgcat cggttatttg acacttttca tgacgggttt caaccgtctt cgaaatcgct 480
atcatgagaa ttcaacactt tacatgatga tttttaaac atcttataaa ctcgatctta 540
gaaactcgat tttatatcgg tttacataaa aatcgtctta gaatgtcttt tttgttttt 600
tttataaaaa t 611

<210> 6410
<211> 443
<212> DNA
<213> Glycine max

<400> 6410

agcttgaagg tgtgtaacc accatthttcc atagtagaac actggtaacg tgtctactat 60
cattgtcatc attttttctg cattgaagtg ccacttgagc tgccagggtc tccacctttg 120
ggcgtattct ttgaaagatc cgtgccccct tttttgcaca tgttttgtag ttgcgtccta 180
tctgaagcca ttataccaac actgcctaac gaaggcaacc attaggtcct cccaggaatg 240
gactcgggaa ggttccaagt tagtgtacca agtaacaact accccagtaa gactttcttg 300
gaaggaatgt atcaacaatt cctcatcttt tacgtatgcc cccatcttcc gacaatacat 360
ctttagatgg ttcttggggc aagtagtccc cttgtacttg tcaaagtcca acaccttgaa 420
cttgggaggg gtgatgatat tgg 443

<210> 6411
<211> 654
<212> DNA
<213> Glycine max

<400> 6411

tttgtgtggg ataccagtg tgagtatagt ttccaaaccc ttaaggaaaa gttgacgacc 60
 actcccatgc tagttttgcc taacctgaga gaagcctttg aggtgtattg tgatgcatca 120
 aagatggggt taggaggagt gttgatgcaa aatggccaag tagtgacctg tgcttctaga 180
 caacttaaga ctcatgagat gaattatcct accaatgata tagaattggc tgctgttgga 240
 tttcccctgt gggtactttt tgttccactt ttttcttcat acaaatatat tcaagggaaa 300
 tctggtttgt cgaaaagtgc accagatcgt caagtattta aaaattaaaa cggatgaatt 360
 cgagtatcga actcaggga actagtctaa gatcgggtta aattcagaaa taatgcattg 420
 ttgaaagaaa cattgataat tgatggttta aaatagaatt aaactgggtc taggataaaa 480
 acagtaaaaa tgcaagtaag taaaattgac agcagtaggt agaagtgttg ggtctttcaa 540
 acagacaagc tgatgcatat agggatgttt ctctaatacga tcatgctttt atgttctatg 600
 atgtagcata aattactaaa cctcgatccc taattgactg aatcaatcca gctt 654

<210> 6412
 <211> 503
 <212> DNA
 <213> Glycine max

<400> 6412

agcttatggg agattagagt gaagttcatc ctgatccga gaggtatagg agacttgtaa 60
 gaaagctcat ttatttcacc attacaagac ctgatatctc .ttttgttggt ggagtagtta 120
 gtcaattcat gcagaattct catgttgatc attggaatgt tgtcatgcat attcttagat 180
 atattaaaag agctcctgta caaggattgt tgtatgaaga caagggtaat acacaactat 240
 caggatattg tgatgcagat tgagctgggt gtcctatgga taggagatct acatcagggt 300
 attgtgtctt cattggaggg aatattatct cttggaagag caagaagcaa gttgttggtg 360
 cttgggccag tgcagaagtt gaatatcgat ccatggcaat ggtaaagtgt gagctcatgt 420
 ggattaaaca cattctccaa gaattgaaat tctgtgaaag tgtgcaaatg aagttattct 480
 gtgataatca agctgctctt tac 503

<210> 6413
 <211> 688
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6413

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 ttttttgaaa gttctcttgg aaagctaaca aaaaaaaaaa gtgattatct ctagaaaata 120
 agttgaatca aacatgaact aaatctttta agagcctaaa agtgattatt ggctgcaaaa 180
 aagacttcaa ctaaccaaact ccatacaaaa caagcactaa ccaaagttct ctcattgtaca 240
 acattgacaa aaatgtgttc tacttctaata ggcgcctttc caatttccaa attcagtttc 300
 taaacctttg aagagctcga gtgattactg accgtaaaaa tcatattctc agggccaaaa 360
 tgcagtgagt tatggcgctt tattacttgc aacaaaaaaaaa tgcgcaatac ctgttatcaa 420
 aaggagagata atgctttgaa aacttttaaa tagatatcat tctcttcaaa ttaaccaata 480
 aatgtgccac aactaaaatg aacaattacc caatcaaata cagatgaaga ctgactcatt 540
 caaatgcatt gtataagttt acttgcattg cangagcatt ttcataagca actaaattta 600
 aattttacct atataaagct ggtaggtttg ctcggtctaa taagctatga aaattatcca 660
 tttaatgcac attaattcat aggaatca 688

<210> 6414
 <211> 469
 <212> DNA
 <213> Glycine max

<400> 6414

agcttgtgtg cagtaatata aaatgtgtcc acacacagtc acttgttgct atccagtgtg 60
 ttgttagcct tttttttcac attttttttt tgcttactcc cttttacttt ctttttctct 120
 tttttgtttt ctattttatc ttgtaaaaca caagatgctc tagttttaat ttaactaatt 180
 tttaaactag tcaaaataac ttataacctt ctgctcttaa aatgatttgc aaaatacact 240
 gtttcacttt tgattaagaa ttacaaaatt cacacacaaa aagatgacaa tggaacaaat 300
 tttatactat ctctatattg taattaaaat taatattata aagatttgat agttatatta 360
 agttgttcat aaattatttt tttttatcaa tcattcaatt caattttgaa taaaactata 420
 ataatggttt aaatcttgaa aaaataatat aaaattttta gaattaaaa 469

<210> 6415
 <211> 696

<212> DNA
<213> Glycine max

<400> 6415

tcacagcaaa tgatagaatg tctatagttt tatcatttga caatttattg ttatttatatg 60
tcttatcctt catatatata gactcttttt tttcatcttt ttcaactgtg aattttttaca 120
taattcataa attttatttg ataccttgca tagcattgca tttagcaaata acaatttaac 180
atgcttggtt tataagtatt gacacaaaaa aggcttatga aaataccttg tattgcatgt 240
tgctaggggt tattaataat atcaataat tttacatgtg tctgtgaaat cagacttatt 300
aatgatgcga taaattatgt aactatcatg tctctcgttg atgttgctaa aaaaattgtt 360
taggaagtat atggattaaa agtgcattct tcaaaaagtt taaagatcga gaacataatt 420
aaccatttaa attattatca ataaaaatac cttaaattta aaatacaaac ataggtacat 480
gtaatttata ttatcaatta ttgataaaaa aaaatataat aatgtttatg tgaacaaaat 540
atttttttga ccaaaaaata aacgcatgtg ttttatattc aaaatcattt tacagttaa 600
tatttaattg gtataaaaca gtataattgt agcaagctga aaatagttta tgaacatata 660
tataagtgtt atcataagtc tggcaaacaat gtttac 696

<210> 6416
<211> 598
<212> DNA
<213> Glycine max

<400> 6416

taaacctgtt atcgtgctc gcattaggaa attaataatg cgaacaccat gtggtcacc 60
acgcttgga ggaggatca cccctgaccg ataagggtcca aacctgcgca ataacaacag 120
tagccagcat tattctttga aaaagaatgc tgggcgataa aggcctaat atacggcata 180
agaaaaaaga aatgcaagac atgccgtata ttagaataag tgggggacta caataaataa 240
tttgttcgaa gaggatggca tgtataaatc gcgttgtaaa accatgatat tcctactaga 300
agaacaaaat cctgcgatct tgtagcataa taaattacca gtggtgaata gggttgcca 360
ataaatcgaa ccacattggc caaactattg acaagaagt gtgttaaat ccgttcatga 420
aatggcataa agataataga tactgtctc tagagacgag cgaggagaga atgggagagt 480
gatactcggg atagcctctc ccatgtttgc gaagtatatg gggcaacatt gtcttttact 540

tcttcaagga ggtcgggtcc aaaggtagtc taaacgctct ctcgggagag aggaaacg 598

<210> 6417
<211> 958
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6417

cactcactga gcttatcggg tctcccgtc cccgcttgta tcatattntn agttataatt 60
gectgnanna ntcnccctcn ccncctcccg gccccggcna ttgatgacct cgtaggtacg 120
ngccacgata tataaaatac tgctgcatgc ctgcagggtg actctatatg aggcgcgggt 180
actgatttta atatccctag gagcgtcgta ggtaactcac tggccagtga tatcaccctc 240
tgaactggga aaacatttgc ataccccacc aaggctcgtc ggcggaacag ccaccgtgcc 300
cagttggtag aaagaggaat aggccacgc gcgacaggcg tatcgacat atggagactc 360
agaatggggg atggggccta acacagtatg gtgcccttgc acacctgagc agtgtttaac 420
aactggggg gggaaactgct agtagaagct gtttagatgc acacagtggg acataatgac 480
gaaggattgc cacaacaacc cgtgacgcag aacgactgag agagcgagag tggccattna 540
ctngnntaaa acacatacga tagaagacgt cccggcttgg aataactgca gaggtgctt 600
gaagggttat gaacagccga cagagactgg catatgatat acgcgtccat tttcaattgt 660
tgattattca cagcatcttc acatcatgga acaaagagag cggggatctt tcatatggat 720
acggaaagca atggaggaac catggggggg actagatact ggttaaatac gagtatgagt 780
acccaaacag cttattggcc ctatgttggg cctgttttat atgaggaaac gtgaaccat 840
tggaatata acctacgtcg aactatttgc ctacaacgtt gggtagaga acgaaacact 900
tctgtcteta attattcaga tgcaacgta gcggttctc cagcaaccc tcgaaaag 958

<210> 6418
<211> 404
<212> DNA
<213> Glycine max

<400> 6418

agcttgcttc tacagtatgg gaaaaaata aggagaataa aatgatgctt ctccattct 60

tacattagta aaaaatggac aatcatcagc caaaatgata cttgatctcc ttcccaaac 120
aataatTTTT tatgcaacat agaaggcaca cattggctag aatgaatcca atcccttcat 180
agcaaaatta aatagtttgg tttagcatcc actataaaaa aatgttgaat acatggattt 240
tggccaatc gtgattgtgg ctacaaaaac tccaatggt gtagtagctc ctacaatgaa 300
attggttata ttgatattca tggggatcaa atcatcctac cttttaccaa tttgcctcag 360
cgtgggttaga ggcattgatgt tataaataat accaccatca aaaa 404

<210> 6419
<211> 651
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6419

tgtattttct tttggcacat ttagtagtct tgtagtatg ttttcccttt atgcattcta 60
cacaagtact aaaattagta aagttaacat tctaagaat ttcttcccttt actagtctct 120
taattcttca agagaaatgt gccctaaatg cttatgtcga aacgtagaca aattttcatc 180
cataatactt cgcttagtac caatgggtgg atgtaaggct acgagacttg tttcaaaaat 240
aggatctatt gaaagcttaa ataaatttaa ctaaaaaacc acaaccaaca actttattgt 300
ctttaatcaa tttaaaagaa acatcgtaga aaagaaaaga gaaactagta tatgtaagcc 360
tagaaacaga aaccaagttt ctataaaagg acaaaacata aaaaagtgtt ttctaataac 420
atacaaaaac cagaattcat gagaagttaa aaagttccaa tagcctccat gtatgaactc 480
atatgatttc caccatagat gctttgttca cttcccattg gatttcgcaa gtttagaaat 540
tcttgtagat tattagcaat gtgaatggta gaacttgaat caatccatca agtattggta 600
ggaaactcag tanaatctta ttcaagcaag gcaaaatacc tttcttttca a 651

<210> 6420
<211> 455
<212> DNA
<213> Glycine max

<400> 6420

agcttgtagg gttcacccca aatgccgtag tcatatgcta aacttgatcc catatctact 60
tgataattca atggtagcca taaccctagc caaggttcat caacctccat ttctccgaga 120

atagacttc aacgcaacgt gtgcttgtca cagaaaagcc ccggggcgct tcattgagca 180
 ttgtagggct ctgaagcgta aggtgcaagg tctaattgat acgggctggc tgaaatttga 240
 agagaatcgc ttgatgaatc ctaacattaa caagcgacac catacatggg gcaattctgg 300
 aagctgttgt tatgactcat caagatcttt aagtttatgc cataaaccac agttacaatg 360
 ttaaatagata tagataaaaa ggacattctt tcacgaacac atcttttggt tattcaactt 420
 ccaacggcat gtgagtgtaa acccttggcc tgttt 455

<210> 6421
 <211> 604
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6421

tctccctat tttgctatca atggggggag aagtgaatat gataagggtt caaccctta 60
 ggcacttctc tctctctctc gaatttgctg aggaaaatta tttccgtgaa gaaaattcaa 120
 gccgaggcgc ttgcgtaacg tttccgtgag taattacgcg aagagtctcg accgttcttc 180
 aaaattcatc gatcgttctt cattttcttc aatcttcaac gggtgagtac ttcaaaccaa 240
 gcttttacat tcattctatg taccctgggt ggtgcaaatt ttgcttcattg tgtgtatatt 300
 cttgttttca ttcacttttt ataccctctt ttgacgtgct taagccattt gttaagtca 360
 tttctcgctt aatctaaaaa taaaatatac tttcaccgat cgtttgaatt gtgtcattcg 420
 atacttttgg ttaatatgaa ttccgaccgt tcggacgtgc cgtaaccacg ttggaaatan 480
 aaacagaggc aaaataataa tataatcata aaaaatgtct tttactggag tataagcgca 540
 taaaatcatc agacgttntc tctgtgggat ttctgattct taattgaatc gactaataac 600
 taaa 604

<210> 6422
 <211> 605
 <212> DNA
 <213> Glycine max
 <400> 6422

agcttccttt acaataaaga taagagaaag atgaaggatt gaagaaacac aagtggtagg 60

gatgtctcct ctgcctctaa gacctcacia taactcacia actcatctca agctctcagg 120
acgacttcct ctccaagctc tggctctctgc agatcttcac acaacaaaat ctctcaaact 180
ctctggaact tggacctttc tctctctaga aaaccctcac atacagaagc tccttgagaa 240
aaatagccaa actcccttcc aaaaatatga tttcaagctt aaataggtgg tttgtttgt 300
gctcatgcgc ttagcgcaat tatgaacgc ttagtacgca ttagtaaatt tcggcttagc 360
gcgagatttt ctcaacgaat ggactgaagc ggtgcgctta gtgggatggc ccttcgctca 420
gcgaacatgc acaactcatc cttcttccaa attcttctc gcgcttaacc gaagagtgtt 480
gtgctcaacg attggcttgc taaaccata gaatggctta atgagaagat gaaaattatc 540
actttccaaa ctcaccttaa ttaacctgaa attgagagaa aatgattatt aaacatacaa 600
aatgg 605

<210> 6423
<211> 591
<212> DNA
<213> Glycine max

<400> 6423
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acctggagat atgtcgcggt ggtcaggaga ccttggggac gtcagggtgg gtgctattgc 120
ccaaaaccaa gcttgaccaa tcccgaccca acccgggcat agtcgggtcag tgagaacctg 180
tgatgtacct aagcaggcga gctcctggca gtcaacagat aaaaggaaca aagaccacia 240
agcaaggagg cttgtggtgg ctggccagct gtgaactttg attgatatgt gggttatggc 300
ctctggtaat caattaccaa ggggtgggtaa tcgattacia ggcttaaaaa tgaagacagg 360
aggcttatat ggtctctggt aatccattac ctagggatgt aatcgattac caggcttgaa 420
aacgaggcca ggaagctaag ggagcttctg gtaatcgatt accaaggggt gtaatcgatt 480
accaggctta aaaaggggac agggagatgg tggaagcctc tcgtaatcaa ttaccagcct 540
gtgtaatcga ttacacagag gaatgggtca ctggtaatcg attaccaggc a 591

<210> 6424
<211> 640
<212> DNA
<213> Glycine max

<400> 6424

agcttaacaa ttaccttatt aaaaatcatg atttatttaa aatgacataa aaaataataa 60
aattatcatc tagttaagaa aaataacaag aaaaatgaat aaatatatta agaataaaag 120
tgaaagaaaa tataaaaaat taaaaattat tatttaaaaa aactgttatt taatgtttta 180
aaaaacaata gaagttactt aaaaaaacat atgtttaccg aactgttaaa caaatttttc 240
aaatatttaa aaaactaaaa attaatataa atgtgttatt aaacataacc taataacact 300
cattaataag aactaaatt taggcttttt ttacgttaa tggggtaatt ttttttcaa 360
attacaaaaa ttaatacctt ttgagttatt tatgaaaaga attaaattgt cattaaaaac 420
acgattttca atacaaagat atgggtcgtg caaacaaaaa ttttcttttt caaaaacaat 480
gaacaattct ggtttggtt aaaataatgg gattaagtga aatcggacgt ccttgaggat 540
tcaacttaat ttttaataa aactaaggcc gttaacagg gaatttggtt ttttttttaa 600
aacaacgaat tatagggggt tttttgttag ctaaaattta 640

<210> 6425

<211> 518

<212> DNA

<213> Glycine max

<400> 6425

tggaccgttg gacgtgcatt gcatgaaaat aattagtata aaaaactaac tgatcgctat 60
aaacatagtt tggaaaaaca aaaaggaagc atcattacgg catgtgcaat gcattatatt 120
aaaaatagga caaaaatata tttttgatta ctatattttc atcaaattctt attttttattc 180
tttaaacttt tatattctct aatttgatcc ctaattcttt ttttaacaa tgttttttagc 240
tatttttcac agattttcat taacaatggt aacttgagtt gtgtccagcg tgataaatat 300
tgtgcttttt taaatttttt tataaatatg taaaaataa attatcattt tttaaataaa 360
attatcattt ttttttcaa tatattaaaa cctaactttt aacgacttca tctctatttt 420
gatttttacc ttcattatta ttatttctta ttgttcatt gaaccgaggt ttcgaataag 480
gatgagaacc cgcctttgca atcatgcaca tgaaaaaa 518

<210> 6426

<211> 282

<212> DNA

<213> Glycine max

<400> 6426

agcttgactt tggtttagac atgattgata catgatttgg gactttagg atttgatttg 60
ggcaagattg gatgagggga aatgtggttt tcgaaatctg ctctttgtgc aaatttttgc 120
tgtgaaattg tgcaccagaa ttttgacaaa gtgcagaaaa atgctatgca tttgctgggt 180
gtggaaagag cagtgcagaa tgagttctgg atgtttgcta gtagatccca acgggtcaaaa 240
tgtaggctta tgtactagac acttccagta aaattttgga at 282

<210> 6427

<211> 578

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6427

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tacctggaga tatgtcgcgg gggtcgggag accttgggga cgtcagggtg ggtgctattg 120
cccaaaacca agcttgacca atcccgaacc aaccgggca tagtcattca gtgagaactt 180
gtgatgtacc taaacaggcg agctcttggc agtcaacaga taaaaggaac aaagaccaca 240
aagcaaggag gcttgtgtgg tggctggcca gctgcgaact ttgattgata tgtgagatat 300
ggcctctggt aatcgattac caaggggtgg taatcgatta caaggcttaa aaatgaagac 360
agaaggctaa gatggtctct ggtaatcgat taccaagggg tgtaatcgat taccaggctt 420
gaaaacgagg tcaggaagct aggagagctt ctagtaatcg attaccaagg ggtgtaatcg 480
attaccaggc ttcaaaaagg gaactgtaga ctatggaggc ctctggtaat caattaccan 540
tctgtgtaat cgattacaca gaggaatggg cactggta 578

<210> 6428

<211> 445

<212> DNA

<213> Glycine max

<400> 6428

agcttctttt ggaccttgaa caagcaatca actcctcttt cagaaccatg ctatgtgctc 60
gcgactggtc cctttcttcc cttcgcaact tgagttcatt attgctaccc catagagctc 120

taattgtcaa tgcggaaagt attctgcgct ttactatccc tgttcacaca ttatttcaac 180
 ttgtgggtac gcgagcctga accactatat ataaatggtg gtta 224

<210> 6431
 <211> 717
 <212> DNA
 <213> Glycine max

<400> 6431

tcatggtgaa tcaaaggtga ttcaaaggtg ttttgatgat aacaatgatg ataacaaaag 60
 atgacgacaa aggtgatgac aaaaagctca aagatcaatc aagaacaatt caagagttca 120
 agataagaat caagaagaat tcaagactca agaagaaagt ctagagacaa gaatcaagat 180
 tcaaggttca aagatctcaa gaatcaagat caagaatcaa gaatgaagag aagactcaat 240
 caagataagt attaaaaagt ttttcaaaac tttgaatagc acatgagttt ttgacaaaac 300
 cttttaccaa agagttttta ctctctcgta atcgattacc atattgttat aatcgattac 360
 cagaagcaaa atgagtttga gaaagttttg aactgaattt caacgttcaa tttattttca 420
 aaaggcttaa tcgattacaa tgttttggaa tcgataccag tgccttgacg ttgaatctat 480
 tcaaggtgaa agcacacctt tacttaaagc ttgtgaatcg atacactaat tgggaatcga 540
 taccaggact gttctgataa tcaaagatgt actctcaaaa aggttttgac ttttcaattg 600
 gtttaagttt tctaaaatta tactctctaa tggcctcttg ccagactgag agcttataag 660
 caggcttgat tgctttcaga attactttcc atcatccttt cagcctgaat tttttga 717

<210> 6432
 <211> 470
 <212> DNA
 <213> Glycine max

<400> 6432

agcttgacga aatctagatg gcgatgcctc agcaacagct tgtacttggt tctcgggcac 60
 agcaaagcat acagaatgct cactactagc ctacataaat actgaaaatg attaatgcc 120
 tttcttatat atcagcgtgg acaactagaa aaattgaaaa aagttataaa tgcacctgag 180
 atatcatgat aacattagct ccaacatctt ttactgcacc aaaaatagca ctggccgtac 240
 ctggaacacc agacattcca gttctgcaaa aaagcatcaa agaaaaattt attggaatct 300

acaacttga caattaatat tggttaaaga aaaccttaaa ttaaataagaa atccctcggc 360
 aggaaaaaat gccaaactatt catcatgtaa cacaacttgc atttatgact cacccttga 420
 cgtttacaaa tgccaaagtt gcctatggat gcaaaatctt tgacaaaatt 470

<210> 6433
 <211> 604
 <212> DNA
 <213> Glycine max

<400> 6433

tgtaatgtca gaaaaggcta acacagaaaa tatgaagcgc ggatgattac tagaagcatt 60
 tcacactata ttagagaata atgccacaat ttaacttctt gtcactctttt cttttgattt 120
 tccctttaac aatttctatg agcagatgat ttttatgtga aattgcgaat agctaatact 180
 ctaaagttag tcttcattaa tatgagatca tgatccttga aatccatggc cctattatgg 240
 tcttcacata cttcaatgtt gtcctgattc atgagtaaag gaaaaaaaaa attgaaatat 300
 tcatttaagt gagtgtacat gtatattaag agctgtaaaa aaggataagg tcaatactag 360
 aatttatttt ctggctcagt cagctgtgaa agattcaaga gtgaaataga aacttagaag 420
 ataatcgaga ttactacggc gtaacataat ttggtactcc ttttcattat actatgatat 480
 agctatgtat ttctatagcg agatcatata ctaactgaat ctgagctgac ataacatagg 540
 aattgacaga tttcagatat ctaatatagc actagaaaag tctttactct aacattgtcc 600
 cctc 604

<210> 6434
 <211> 540
 <212> DNA
 <213> Glycine max

<400> 6434

agcttgaagt gaaaaatgtt aactggagca acctaatttt tacatcaaag cctaatacgc 60
 atcaacacta ctattttaat ctttttctca taaaggattc aatcctactg atgttgtggc 120
 gcagcagagt aatgcaaggc ctatttgatg ccagtaagta atccttttat ttccaaattc 180
 agagcaattc caacaaaagg ttccatgacc aaccctaatt attaaagaac tcagttcact 240
 gatatgtatg aataaatgat gcaagaaagc atgcaaacta tagaacaaca aagaaattgt 300

ttcttctgca gattctagat aatgccaaag cctaaagaaa caagctaaag tattatgggt 360
 cacttgaaat attaaggtgg aagaaatgta acaagtaata tttgtttttg atgcatcaga 420
 acaaatgcaa caagtaatat gatgctatta tacatcacgg atatagctta aaataaaaag 480
 ccaaaaggag ggaaaggaaa actcctttat tggacttagc ccataaaaaa aaaaagtaaa 540

<210> 6435
 <211> 676
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6435

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 acataaaatt cagaagaaaa atattattgt ttaagtgtgg ttatgtagtg gctaagtgga 120
 gacatgatct gaataatcct tctactagtt cataagtgga ttgtctctgg agtaaaatag 180
 ggacaacgga atgcacaaag atggggggtg gtggctagaa accataatgg aaataggaga 240
 ggcttttaggt ttccaatgac cccttcaaag cagtttttga agaccaatgg cgtagatgaa 300
 gtcccttatt agttggacat tcatatttct aaagatgcag ttgaataata ctagtattct 360
 attgtaaaaa taaataaaaa aatgcactaa atggcagaag atatgctaç aatttcggcg 420
 ctaaccatga ttcttatcat aaggaaattg ttgacgggtg aaactaaaac tcgagctagt 480
 gtgggaaaat ctttgatatt gtttttgaaa atttgaaatc atatataagt caggatgcat 540
 tgaaataatg ttcatnttcc attatcattn tcaatcaaat taagttctaa cgaacacata 600
 ttcatgcctc accggcggtg actacctact cccatatata tatatatata tatatatata 660
 tatatatata ttatga 676

<210> 6436
 <211> 463
 <212> DNA
 <213> Glycine max

<400> 6436

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 atatgttgca caatcacata gttgatctca cttcaagtct atagttcagc tttcatagac 120
 ctgaattggc gattaaagct gctcaaaatc atacaataaa gaacccaaaac ttagagggcc 180

agacacaaaa aattcataaa ctagctttgt acaatthttga tatcatagaa aaagaagaga 240
 taaaagtcta gttttgatta taggatatga tatgttccaa cctagcatta atctaaatat 300
 cagtaagcat gcatttttcc caagctagag gttgagatcg agtcggcttc aattgcatct 360
 gaattacgag agtaaatagg catthttggtc cttgactthtt gaccctthttt gcaaattatt 420
 ccctatctthtt ttggaaaggt aaaaataatc cctatctthtt cat 463

<210> 6437
 <211> 776
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6437

tcctcggggc catttcctgc gaaggcaaac atthtgaaag ttagthtttac cagtgggaca 60
 ctactcttaa aacaaaaatg gcatacaacc tcctcccata aatacaaaaca tcaatgtaaa 120
 tttagagcaa gcttatgagc atatthtctt acgaacgttc acttgagcaa gacattctat 180
 taactaagaa aaatgcaccc atatacaatc aaggcagctt cgttacctag attatthtaca 240
 tgcacttcca aggtgtatth gttacttaca tcacacacat ctcttggtgct gaatthtacet 300
 acatgcatac tcaaagcatt ttgggggtacc aaaaattgca catgtgctca tcttggtatt 360
 tctaatacct atacatacac aaactctatg atgaatcttg actacctaca caataagggtg 420
 ctacatttca tgccctthttc aagthttttgc tacctaaagc cgcatagcaa ttcaagtata 480
 thntccttht ctgactaaaa tgggtattcaa attaaaagggt atatathttth tthtaagtga 540
 thttctthtac ataacatgca acatathttat atatnathtt tgtgagacan thtgactacc 600
 aaaaattata tgtacataca tccaagttatt thctatcata cccaaagtga aaatgccaaag 660
 gtatthttgct acctattcta aacctacaca thcatgacga gcaaaattct aaacatctag 720
 gcgaggggaaa atatatagtg tggcccatac tgatggtggc aaaaaaaaaa aaaaaa 776

<210> 6438
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 6438

agcttgtgca aatcaaatca ctcccacatc ttatctctag catgcattct ttctttcttt 60
 acccactcct cacgtttggt ttttttagga aaaacaccat aactaaacgc gccacaaggc 120
 atccctatcg caccagatcc aaatctagaa cgatgggtga tcaagaggag acacaagaac 180
 agatgaaagc cgacatgtcg gctttgaaag aacagatgac ttccatgatg gaggccatgt 240
 taggaatgag gcagctcatg gagaaaaatg tggccaccgc tgccgctgtc agttcggctg 300
 ccgaagcaga cccaactctc ttggcaactg cgcaccatcc tccctcaaac atagtaggac 360
 ggggaaggga cacactgggg cacgatggca accctcacct gggatacaac ca 412

<210> 6439
 <211> 673
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6439

tattcaagtc atggttgtca aaatcatgat ctgtcttata aaatcatttg attttaacat 60
 caagcacccc ttgacaatct gaatcttgag ttgaatcgct ggagagtagg atcacagagg 120
 gattgctttt gtccatgttt aatcatggga tcatttatcc tggtaggca gaagacggac 180
 aaaatcacia gggtggggtc atatgatcca gtttgggcaa aaccctttt tctccttcaa 240
 acaatttcct ttccatatgt gactatgtga cttctctaac ctaatctcca tcaattgttt 300
 tttgaattgt gtgccattgg acctctttca caactgttga agctttacct tgtgccacta 360
 ttgctactgc gggttgtggg tagttntggc actgtcaatt gcacctcctt tacctaacat 420
 ctttctttgt gggctctctt tactcagtca ctctcatctc attctctgga ttatctttct 480
 tttcttttct atggctgtcc tcacagtcta tagaattcct tttgagtcac agatgcttct 540
 ctcacagagg gtgaaccact gaatagaata ttntaattag cttgtatgta atgtcttatg 600
 actcgtaaat atgttattag aattcttatg aatttttaac cagggttaa ttgcttctct 660
 catcatgaca tat 673

<210> 6440
 <211> 439
 <212> DNA
 <213> Glycine max
 <400> 6440

agcttctaaa ctttgtacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
gatatcttaa gaaggggggg ttgaattaag atattccaaa cttttcttct aattaaaaat 120
ctatcttact ttttacttaa gttatgaatt cccttaatga caatcttctt aaatattaat 180
tcaaataag caacttgaat tatgaatata aagcaataat aaataaagga gattaaggga 240
agagaaaatg caaactcagt tttatactgg ttcggccaca cccttggtgc tacgttcagt 300
ccccaagcaa cccgcttgag agttccacta acttgtaa at tctttttaca agttctaaac 360
acacaaagac aacccttcct ttgggttttag agattcttta caacaagaaa ctcacagtct 420
cttaatccct tagagaatg 439

<210> 6441
<211> 694
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6441

tgtctcagca tttatgcgag acggagacca acatgctagc tatcatcgcc aagtaccaag 60
aagagttagg tctagccacg gcccacgagc atagaatcgc ggatgagtat gctcaagtat 120
atgcggaata agaggctaga ggaaggggtga tgcactcttt acaccaagag gcaaccatgt 180
ggatggaccg gtttgctctt accttgaacg ggagtcaaga acttcccttc ttgttagcca 240
aggccaaggc gatggcagac acctactcca ccccgatga gattcacggg cttctcggct 300
attgtcagca tatgatagac ttaatggccc acataattag aaatcgttag gaaacttgta 360
tggtctctca gaccttgact ggatacgact tctttttttt gaaataaaat gagttggtcc 420
catgtttcta ctccaaaaag cttgtgcaaa tcaaataact cctacatttc atctctagca 480
tgcattttct ttctttaccc actcctcaag tttggttntt tagggaaaaa caccataact 540
aaacgcgccg caagggatcc ctatcgaccc agatccaaat ctagaacgat gggatgatcaa 600
gaggagacgc angaacagat gaaagccaca tgcgggtctt gaaagaacaa atggcctcca 660
tgatggaggc catgttaagt atgaagcagc tcat 694

<210> 6442
<211> 485
<212> DNA

<213> Glycine max

<400> 6442

agctttaaac tctatTTTTa attctatTTTt tctctctaaa tgtatattac aatgcatata 60
tttgtaaata attaatgagc tcaaataTTTt aaaatgtatt tttttttacat aaatcttata 120
aaataagtgt tagaaacaca tttttttaaca ttatccttaa cacatttaat ggattgaaat 180
tgtttaaaaa ttacaaaatc atttcatgga gtcattaaat aagatgaatc acacaatttt 240
tttataatTTt taagaaatTTt caatcaagag gatgtgtatt taaaagaatg agtgaaaata 300
tgttactaat atttctcatc ttgtaatatt ttgagtctga ttcttttctaa ttggataggg 360
aaatacacat tattttttgtg ggagccacaa taatatTTTt ttcgtcccgT tataaataat 420
gtttaagggtt ttttttaaacc gattaacaaaa acaagtatTTt taaagtgttt tgtgtatttc 480
aatg 485

<210> 6443

<211> 544

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6443

tgcattcata gctgcaaaga agaagaaatt aataaactgg catgtttact accaaaacaa 60
atacgaaaga aatccttcca agaggccaac tattcgggta gctntctttt catgatatac 120
tatcaaatta cttttttctaa ttttagaaga ggcccccttt tagcattttc tttttcacia 180
gaatagccat aattggggat atcagcta ataaccttttat gtttcacgat ttgatttatt 240
atctatagac aggtttcctg ggtttcttgg ggaataaagt tgatgctatt gatcattata 300
ctgcaataat tgataatttg agcaaacaag taagtactga tcaaatacata caatggatat 360
gtcaatgtca cccttatccc tttgtgtaat agnaactatt tttttacaaa ttgtgtcatc 420
cagtcattct gccaaactctt atcacttttTa taatatTTTt aagtaatcaa attatggtaa 480
tcggatatca ttgttatatt cagaggagat aatgggctat gcttttatag ttcagtgagg 540
ggac 544

<210> 6444

<211> 416

<212> DNA
<213> Glycine max

<400> 6444

agcttgctta tgtagagaga tagagtgtgg aaattaggag tgcgagtgc aatgttagct 60
tgcattgacag ggaaatagtg aaggtgaaac taattattgt aaccgggtga gttgtgtgaa 120
ccttaactgt gaaagaacga ctagcatcaa gtactgatct ttgcatgaat ctttgattac 180
tgaatgtatg catgatgtgg aaatgatgaa ggccatgttg aatttatttc agccacttag 240
ccaaacaact accctatatt aatgaatgat tgaatccctt gcaccccttt tgagcctaaa 300
tgttaatgaa tgactcattg aaaggagcta aatgcaaata ctatctttgt acaccctatc 360
ttaagatata aaagatcatt cttatggatt aagacaaatt tgttccaaat atgggg 416

<210> 6445
<211> 373
<212> DNA
<213> Glycine max

<400> 6445

tgaatgtgac aataatatag agacaacatt agcccctatc cttcgttgag ggacattatt 60
aagaaaaaaa tcgaacgtct tacattaacc tcacatgtgc tcaagtttct gattatgctc 120
aaattcagat attgataaaa gaatatttac ccataacctc tgatgcggcg gtgcattatc 180
actgtctaata agtccccca ttgtgatata acacgattac tatactgact tataaattat 240
tgatgtggag gtggacggac gaaatatact gagcaaata tatgaggcga atttaagaac 300
tgttcacgat aacgaaccaa tacaattac gattaatttg tataactatg gttgatgctg 360
ttctggatgg cat 373

<210> 6446
<211> 558
<212> DNA
<213> Glycine max

<400> 6446

agctttttat cacaacaatc gcttgaatcc gttcaaggtc caacgcctta atgatctctt 60
ttacttttat cggttaaaat gaacctttca aaagtctaaa atcaacccta tgcgtaactt 120
tcttgctttc aaagaactac ataggtatga gttcctcatc ggaattgagg atacgttgga 180

gcaagagccc cgctcttgct gacctcaaaa agataaaaac ataaaaaagg gagaatgaaa 240
 taaagattga agtcatgatt ttgcacattt ggattaaagg ctgtcgtctg atgtgacaga 300
 cgtgtggggg gctaatacct tccccacacg taaacaattc tcgaaccttt gatcctttaa 360
 attcatagac cgcttttttg tttttctaac cgtttcctca aataaatggt ggtggcgact 420
 ccgtgtatth ttctttcctt gaagacacac ccatgagtct tacgtcgccc ttctgccgaa 480
 gggtaggttg tgacaattgg cgactccact tgggaatttt tttaaaaagt taacccttta 540
 atctatgggc atttttta 558

<210> 6447
 <211> 590
 <212> DNA
 <213> Glycine max
 <223> unsure at all n. locations
 <400> 6447

ttgaatgcac tattcaatgg agttgacaag aacatcttca gactgatcaa cacttgcaca 60
 gtggccaaag atgtatggga gatcctgaaa atcactcatg aaggaacctc caaagtgaag 120
 atgtccagat tgcaactctt ggctacaaaa ttcgaaaatc tgaagatgaa ggaggaagag 180
 tgtattcatg acttccacat gaacattctt gaaattgcc aatgcttgac tgccttggga 240
 gagaggataa ctgatgaaaa gctgggtgaga aagatcctca gatccttgcc taagagattt 300
 gacatgaaag tcatgcaat agaggaggcc caagacattt gcaacatgag agtggatgaa 360
 ctcatgggtt ccttcaaac ctttgagcta agactctcg atggggctga aaagaagagc 420
 aaaaacttgg cattcatgct caatgatgaa ggagaagaag atgagtatga cctgnatact 480
 gatgaaggct tgacaaaagc agttgtgctc ccgggaaagc agttcaaca agtcatgagc 540
 agaatggaca ggaggcagaa gcccatgtnc agaacatccc tttcgacatc 590

<210> 6448
 <211> 474
 <212> DNA
 <213> Glycine max
 <400> 6448

agcttgcct tggtttagac atgattggta catgatttgg gactttagg attcaatttg 60

ggcaaaattg gatgagggaa agagtgggtt tcgaaatctg cactttatgc agaattttgc 120
 tgttgaaatg tgcagcagaa ttttgtataa gtgcagaaaa aatgcttggtg tatggctggt 180
 tgtaaaaagg gtagtacata tgggggtttg tacatttgct agcagatccc aacgggtcaaa 240
 atgtagactt atgtactaga gacttccagt aaaattttcg agtcgatcca acgggttaacg 300
 aattggaaca aaggaaatgt tactggggta tttgtatgtg aaaagttgtg attttgagtt 360
 gtgttttggg cagagttttc tgcctttgcc ctgttttgct tgggtttgtt agtccatgat 420
 gattggatgt ggaattactt ggatgttggtg gaaacttggg aggattgatg ggga 474

<210> 6449
 <211> 581
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6449

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 atggcgctc ctctcacctc ttttcctttg tcttcgctg catctccatg gtggaaaatc 120
 accattaaag gacccattg aagctcaaag atccagcctc catagaagcc ccacaagcaa 180
 gcttccatca ccttgcccta atccatttgg tgaaatagtc aatggcgatt agtaggaatt 240
 agattgctcc tggggctttt ggcagtggtc ctagtatgcc tattccctat aaggcaaaag 300
 gccaaagggga actcaagcta tggaggatgt cangaggggt gtgtggaatg tctacaaact 360
 cttggcatcg cctgaacctc cttatgaagt caaggggtgc ggccaataat agccggcgcg 420
 caccacttan gttgctaggg agcgaccct gatatggagg tcacagattc cttcatgtag 480
 ctcttgcatg agatagtcta cttgttggtt ttttaggcatt ttaagcaatg atgtgttcaa 540
 ccctcttttg aatagctcac catcaaggat ggcgttgat c 581

<210> 6450
 <211> 392
 <212> DNA
 <213> Glycine max
 <400> 6450

tattattctc aaacatgagt tggggaggac ccaataactaa tggctttcta actagatgat 60
 tgaaatgatg catgtttatg tgtgtagctc tacgatgcca caaccaaaaa tcatctattt 120

ttgttaccaa acaacctcaa ctaatgaaat gaggcattgt caatgtctaa aatatagaaa 180
 ttacctatca ttttacctat aatggacaac ctccccggga catgggtttca ttattaggca 240
 taaattcttg ttgaattcga ttatgaagcc ttttgccaca tagttggcta aagcttagga 300
 cgttatgctt tagtccatca atatataaaa caattcttta tcaaggtttt gaatggaatt 360
 ccaatatttt ccttctccca taattatccc tt 392

<210> 6451
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 6451

ttttgtctct cttattaggc aatgggttggc cctctctctc tctattgtga aatcctcatc 60
 ttttattctt ttctactttt gcagcaacaa caaatttaat catcttttca ccgacgagct 120
 tgtccctttc aataccaacc ccgacaagat gctcgacctc caacacacca ccaccttctt 180
 cccctgcacc aagatcaaag cctctgctga ttctctgtc accgctgact ctgacctctg 240
 cattttcact actggcgccc gccagatcac tgatgagtca cgctcaacc tctctagag 300
 gaacctctcc ctcttcggca ccaccattct gactctcgtt cgttactccc ccaacgctat 360
 tctctcatc atttccaacc ctggcgacat tctcacctac acacat 406

<210> 6452
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 6452

agcttctacc ttggctgaga ttggttctat tgttctttcc actagcgacc ctactggaa 60
 gtcccagctt tctcatatgg ctactccat gtggcgccgc cacaacctcc cccttggcat 120
 ttccaaaccc ccttttcgcc ccgccagacc cccaataccc caattgggtt gttccctcaa 180
 tttcgcttct cctttcttat tgcaaattct gttatttaaa tctaattacc tcaatttgat 240
 ttatattttt caagcctctg atttactct atccttctct tctatccttt aaaactaaag 300
 cttctttttt ttttttttgt gaccttctga cctgaattgg gaaa 344

<210> 6453
 <211> 635
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6453

tacataaaaag gcagccttta agggctagcc cgcgggcccg aaccctaagt ggatgcacaa 60
 aacaaactttt agattacttt tttgttgttt ggttaagtta aggagatgga acaaggagca 120
 caggtgtgtc atatgagaaa ttcaatcatt cttcattctt acaatgtaat gtccccagtt 180
 tcagatgtct tttttttctg ggtgggctgc ctctatctat cagcaaaagc ccatcaaaga 240
 tcctaatega aattcaatta tgatatgtgc aaattgggtt gggcctattg aagtctgtac 300
 cttctaaaac atattcttca gaagaaatta tgcaataaaa tttttgtaaa taaaaaaggg 360
 gaaataaacc taactgtgca actaaatgaa ctaatgaagt tcccaaattc ctctttgcta 420
 cattaacgta tatgttaact gtgaaatata ccacccgagg aatactacac atgaacgaat 480
 ctagtaatat attaatttaa tcagcaacac attccataat aaactgggtc tcagttgtta 540
 agggttntac tcagttgatt caacaagagc gtgagttggt atanaagttc ttaanaatgt 600
 tttcaatttc taccataaa aaaaaattga ttctc 635

<210> 6454
 <211> 441
 <212> DNA
 <213> Glycine max

<400> 6454

agcttgctaa cccatggaag ctctaatat ctccacact ttttggggtg ggccattcgt 60
 ggatggcctt gatttcccag ggtccacatg gacccattt ctaccaacta caaacctaa 120
 gaaaactata ttatctacac aaaaggtaca cttctctata tttgcataga ggggtgtttt 180
 cctatggact gaaagaactt acctgagatg tcctaagtga tccttaggc tcctattgta 240
 cactaaaata tcatcaaaat aaacaactac aaatctacct atgaaatccc ttaagacatg 300
 atgcataagc cttataaagg tgcttggtgc attactgagc ccaaaaagtt ggtcttgaaa 360
 gcgaattttc actcatcacc ctttttcata ctgatttcgg gataaccact ttaagaaca 420
 atttttgaaa aaatattggc a 441

<210> 6455
 <211> 583
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6455

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 tctctctcta aaatctctag acatgcaaag ctctgaatcc cagtccaaac tccttatcta 120
 aaatctgatt tcaggcttaa ataggtgacc ttgttcgtgc tcgtgcgctt agcgcaattt 180
 tggaccgctt agcgcacatt agtgaatttc ggttttagcgc gtgcctttgt cgcttagcgg 240
 atggactgaa gcggtgcgct tagtgagatg aagcgggtgcg cttagcgaac ctatacaact 300
 catcttcttc cagattcttc cttgcgctta gccaatgagt gttacgctta gtgggcgctc 360
 gctaagccaa tggactggct tagccataag gtgaaaaaca acacttttaa aagcttgctt 420
 aattaacccg aaattgtcag acaatgatta ttaaacacac aaaatggaag tactaagtat 480
 ttattaccta tacttaacat anagtactta taacactaca aactaaccat aaattgggga 540
 agtttgatac aatntacaca ggttttacac acaaaagtta gtc 583

<210> 6456
 <211> 607
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6456

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 atgaaaatgg agaagcaaca taactttcag ttaaatacca ctatttgcta gcttggetca 120
 cttcctagaa tacattgaca aatactttta ttataagttg atttatttta tatagtaagt 180
 tagcaaaaat gcttgaaatg gtgtaagggt gattaaaagg agacaatgtg tcaataaaat 240
 ttctaaatct agcttatctc cactaaattt ttggtgtttg ccttggttaca atagaaagtc 300
 gtacagtga acctgtttga attttactaa tcccgaattg tttaatgcaa attattagaa 360
 agttgatatt aacagtgtga taaatatgtg atatttttac caaggtctag catgaatgg 420
 aaataattga gtcttgatta tgtggatgaa aaaagctttg ttagtaaaaa attacctact 480

ttggtgaatt gtcttaaaag ggaatagttt tttataccct ttatgcattc caaaaagaga 540
 gtaatanttc atcaatagaa ttatagtcatt tgcaatcatt tttcttaggg tggttgaata 600
 cttttttt 607

<210> 6457
 <211> 522
 <212> DNA
 <213> Glycine max

<400> 6457

tatcaacact tttatatata acaattactg gatttggttt atgttgatga aggtatatgg 60
 tagcatatac ttcagatcat ctttcttcaa gtgagtttga accccaaccg taggaaaggc 120
 agtaaggcac atgttgtgag tctagaccac tcacaagtat tttagtcattg tgatgagcaa 180
 tttatgtagt aacataataa catgagagtc ttcaactaat aagttttcaa gctatgatta 240
 tgaatttgcct ctcttccttt ttgtttaatg ctttctaatt gtggtaagtg tgtcataaag 300
 tgttttggtta taggaaagtt aaaacaagtt aattgttgac aaaaaatatt tttttaggca 360
 caattaatta cttatacaac taataatgta ataaattggg gagtgtgggt atgtttgcta 420
 agtcaaccat caaatctaatt ctgtgaataa ctgaaaatga atagaactta tggcgggtctt 480
 tttagatatg tcttggtttt tagagcatgg tgaggataga tc 522

<210> 6458
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 6458

agcttgcttc tacacttctc cttgaagtgg ggtctccaat cacctttcct ctgtctccat 60
 tccactacca ctgatcttca agaagcaaag gactccattg atgaaggata tccaaggcct 120
 acaagttcta catggagcta cattatgtgg tatcagagta tcttcatcta ggtgatcttt 180
 tgcttactct atcttttggt cgggcaattc actttaattt ctttttggtc atcgctcttct 240
 ccatgtatct cctccattgt ctagtggttt ggtgttggtt aaattacatt caaaaaaata 300
 aatgatcaa aacttagatc tacacttggt cttgcatttc catgggggtcc aacccatgcc 360
 tcatcaatta aggaatgctt t 381

<210> 6459
 <211> 677
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6459

 tccatcaagt ggtatcagat cacaagagct tcaagtaggt gctccttaaa cctccattaa 60
 ttttcagctt taccttttct tccattgttg tttcttcagt tttttctcca tgtatctcct 120
 cacatttggt gtgctaaatg ttgttaacat gatttttttag aatttacacc gattaaactt 180
 gctatagaag ctagatttga ttttctatgg ttcaaattcc ttgttcttgt tcttgaacca 240
 tgaattgtgt tgagttttaga ttcttttgag ttttgtattg ccattttttt ttgctgaaac 300
 ctaaaccata aaatacttac aaaaacatta aagtagaaga aaacctcaaa aatctagagt 360
 gacatgttca cctattatag tgttgtctta gaggtcatgc ctagtcatga aacttgtcac 420
 ataagactcc ttatgttntg ttgaatttta tttttcttga ttctttatct aactcatttg 480
 ttcataagtg tatgaaattt ttttagccta ttatttgatt cgagtcaaatt cttgcatgtt 540
 aattagtcct taacatgtcc atgcataatt cttagagact ctttgattgt gaaccttttc 600
 ttgactttta nngttcctta tgattgtgtc tattgtacat ttgangtttg gtgattgaat 660
 tgctggctga attttga 677

<210> 6460
 <211> 520
 <212> DNA
 <213> Glycine max

 <400> 6460

 agcttcttga tggattcaag tacttgctat gcgtgttact ttataagcaa tttcttatag 60
 gatattgaaa tcaatatata tatatatata tttgcggagt gaaataacctg tcctttttct 120
 ttgaaattga attgtttggt ttgcactttt tcttttggct aaatattctt ctgtagttgg 180
 catggcatga cattgggttc aaccattttt tgctttcaga atataatatt gagacatctc 240
 tgattaataa tgctttcatt cgtaaaactac aatgaaaaca aaagccttcc tatattgaca 300
 tgtactcaac gagatatttg aatctgtagg tgcaaagtga tgaagtaccc cattgtcagt 360
 tttgtattaa catcttcgtg aagcatttat ggtccactgt cttatatttc ttatttacia 420

agttttgctt ttgacctttt ctctgatttc actgaatctg ttttccctta tattgagacc 480
 caaagtattt tttgggcata tgttatcttt ggttgattat 520

<210> 6461
 <211> 692
 <212> DNA
 <213> Glycine max
 <400> 6461

tgatgtgaga aagcgtggaa gagtcagtct tcctactttt gtttgttgac cacagagtgg 60
 tacctagaga tatgtcgcgg gggtcaggag accttgggga cgtcagggtg ggtgctattt 120
 cccaaaacca agcatgacca atcccgaccc aaccggggca tagtcagtca gtgagaactt 180
 gtgacgtacc taaacaggtg agctcctggc agtcaaccaa taaaagaaca aagaccacga 240
 agcaaggagg cttgtgtggc ggctggtcag ctatgaatct tgagtgggtat ttggaaattg 300
 gcctctggta attgattacc aagggtgtgt aatcgattac agggcttaga aatggaaaca 360
 ggaagttaaa atggcctctg gtaatcgatt accaaggggg tgtaatcgat tacagggctt 420
 aaaaatagag acaggatgtt aagatggcct ctggtaatcg attacccatg gtgtgtaatc 480
 gattacatag agtaataggg cactggtaat cgattaccag ttaggtgtaa tcgattacac 540
 agtghtaattt gtaggtttcc atgtgcagaa gctgtgtaac tcgagttttg ggacttggtg 600
 atcgattaca tactttggta atcgattacc agagaggaaa tcccttgaga aggatatttt 660
 gactatgcgt aaccattatg ggacgcattg ta 692

<210> 6462
 <211> 383
 <212> DNA
 <213> Glycine max
 <400> 6462

agcttgatga ttacctatgg gcatatataa caaccttcaa aacacctatt ggtctctcat 60
 tgtttcaa at ggtgtacata aaagcatgcc acctacaagt ggagttagaa ataaaagatc 120
 attgaagttc ctcaacttgg actctgtggc atccagagaa aagatgaaag tagagctaca 180
 tggactttaa gagatgtgcc tcaatgcata tgaatcatcc aagctctaca aagaaagctc 240
 tacacagaga attaaggatg gaacaacaag tattgctttg caactcaaga ttaaagttgt 300

ttcctagaaa attaaaaatca agatggagtg gtcctttaca atcaaagact ttaagcctta 360
 tggagatata gagatagaag act 383

<210> 6463
 <211> 541
 <212> DNA
 <213> Glycine max

<400> 6463

ttcttccgtc ggtgctcccc tcatggggta ccctagtttt cttatagcga gcgcgggatt 60
 gtagttaata caaccctcgc ttcctaccag cggaatgttt gtgtatcctc cacatgagaa 120
 aaggactcct tcttttcctt ccttccatcg ggggaaccaa ttgattgttc tacctcctat 180
 cccagccaaa agctgggtccc aatctattct cctcttttca gtacacgaga gatgggtcag 240
 gagcggacat ggatgccttg tgtcttgcag gaacaagtgt gaaaccaacc aaacacagag 300
 ggcgggcaag caacagatga tccgtgcgct actcttttca caccttcggt caaatgtgtc 360
 aaataaatct gccaaagacag ctaccaccgg actttccttg ctatggtggt atgcaaggaa 420
 agcgtcgatt gctgctaggt ccaccaaacc atccgcgttt ggaaagagga cgaccccaaa 480
 aattaacaaa gctaacacat ccataaacgg gacccaatct ccttgattgg ccatacccct 540
 c 541

<210> 6464
 <211> 486
 <212> DNA
 <213> Glycine max

<400> 6464

agcttgtcat atgcgacttt gaattggtaa ggctctcgag gcaatccatc attgttaact 60
 gcctcacaat aaatttggtg acatgaaata aaaatgagta ggcatttcac tagaaaaact 120
 tatgcataag tttatgtgga agcaaagcta ccatgatgat tcaccaagat gttttgatga 180
 tgccaaagct caaagagttg tttcaagatt aaagaatcaa gcattcaaga ttccactcaa 240
 agattcaaga atcaaagaa gaaatcaaga agcatcaagc caagtcaaag taagtagtaa 300
 aaagtatttt taaaaaaaaa catcaaatac cacacttttt gttttaaaaa ggattttctg 360
 aaatcttcta agttaccaga gtttttactc tctggtaatc gattaccatt tgggtgtaat 420

cgagtaaaaa gttattggcc tttgaatttg c

451

<210> 6467
<211> 519
<212> DNA
<213> . Glycine max

<400> 6467

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atcgagacgc tcgaaatgga ataccgaagc tctgagcaaa tttaaacgac gataaccttt 120
ttactcggat gtctgattga gtcccgtaat atatcgagat gctagaaatt gaatgttgaa 180
gctctgatca aattcaaacg acgatgactt tttactcgga tgtccgattg aggctcgtta 240
tatatcgaga cgctcgaaat ggaatatcga agctctgagc aaattcaaac gataataact 300
ttctactcgg atgtccgatt gagtcccgta atatatcgga acgcttgaaa ttgaatgttg 360
aagctctgag ccaattctaa cggcggtaag tttttactcg gatgtctgat tgagtcccg 420
aatatatcga gatgctcgaa atggaatggt gaaactctga gcaaattcaa acgacaataa 480
tcttttactc ggatgtctga tggaggcccg caatatatc 519

<210> 6468
<211> 490
<212> DNA
<213> Glycine max

<400> 6468

agcttgtagg gttcacccca aattccgttg tcatatgcta aacttgatcc catatctact 60
tgataattca atggtagcca taaccctagc caaggttcat caacctccat ttctccgaga 120
atacgactcg aacgcaacgt gtgcttgta cggagaagcc ccggggcggt ccattgagca 180
ttgtaaggct ctgaagcgta aggtgcaagg tctaattgat acgggctggc tgaaatttga 240
ggagaatcgc ttgttgaatc ctaacattaa caagcaacac catacatggg gcaattctgg 300
aagctgttgt tatgactcat caggattttc aagtttatgc cataaaccac agttacaatg 360
ttaaatgata tagataaaat ggacatcctc tcacgaacac atttttgctt attcaacttc 420
caccggaatg tgagtgtgaa ccattgggtc gtttgctcaa gcaacctgca ctctgaaatg 480
ttgacttcca 490

<210> 6469
 <211> 642
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6469

tctcccttat tttgctataa atagggggag aagtgaagaa gaaaagggtt caaccctta 60
 ggcacttctc tctctctctc gaatttgctg aggaaaatta tttccgtgaa gaaaatccaa 120
 gccgaggcgc ttccgtaacg tttccgtgag taattacgag aagagtctcg accgttcttc 180
 aaaattcctc gttcgttctt cattttcttc aatcttcaac gggtaagtac ttcaaaccaa 240
 gcttttccat tcattctatg taccctggtt ggtccaaatt ttgtttcatg tatttttatt 300
 cttgttttca tttacttttt ataccctctt ttgacgtgct taagccattt atttaagtca 360
 tttctcgctt aatctaaaaa taaaactaac ttccaccgat cgtttgaatt gtatcattcg 420
 ttaatttttg ttaaaatgaa ttccgaccgt tcggctgtgc cgtaaccacg ttggaaataa 480
 aaaaagaggt aaaataataa tataataata aaaaatgtct tttagtaaag taaaagcgaa 540
 aaaatcaatc agacgttttc tctttgggat ttctgattct taattgaatc gactaataac 600
 taaagtgaaa ctaaggctaa anatcactcg ctagtcaag ct 642

<210> 6470
 <211> 554
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6470

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 tggaggaatc ttctgaaggc cccaagtggg cctgggtgct atttgacccc ccatttttac 120
 taagtacacc ccctgccttt ttttggtgat tcttttttcg taaagttacg gaaacttacg 180
 aattttgtaa cgatacttgt tttctttccg taatgttacg gaaccttgcg gattacataa 240
 tcatcccttt ttttgactta cggaatgtta cggaacctca ctaattgtgc aacgatgctt 300
 ccatttgatt tccggtgtgt cacggaacct tacggattgt gcatcaatat tttcttttgt 360
 tntccggcat atcccgaat ttcacaaatt gcctaattgat gggtgccaag cacctcacia 420

ggaccaaaca aaagttgcat gtcacaaagc aaaggtcccc cggacgaaat tagggatatga 480
 cagtngeccc tctttacttg tcttttattg gagataaaaa gggaagtaag ataagaaccc 540
 tatttcgttc ctct 554

<210> 6471
 <211> 618
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6471

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 gggggaatcg tcaataacat caaagccaac aactacctca ccttcgctga agaggaaatc 120
 cccgccgagg ggagaggaca taaccaggct ttacatgtgt cagtcaaag catggaacac 180
 gttatggcca aagtactcat cgataacggc tctagcttga acgcgatgcc caaaagcaca 240
 ttggagaaat tgccatttaa ctcttcccat ctaaggccaa gtccatgggt ggtctgtgcc 300
 ttcgacgaca gccgccgaga ggtaagggga gagatcgacc tcccagtaca gatagggcct 360
 catacctgcc acgttacatt ccaagcgatg gatatcaacc cagcctatag ctgtcttttg 420
 gggcgctccat ggatccactc agtgggagtt gtcccctcca cactccacca aaagctgaag 480
 tttgtagtgg aaggacatat ggtcatagta tcacgtgagg aagacgtcct gntaagttgc 540
 ccttctctta tgccatacgt ggaagccgag gaggagtcac tataaacgac tntccaatct 600
 tttgaggtag taagcatc 618

<210> 6472
 <211> 482
 <212> DNA
 <213> Glycine max
 <400> 6472

agcttcccag ttatggaaag ctaaactctc tgtaggatct tccttgtagg tacttgatgt 60
 aaatatctta ttatctatct aatgatgttt tgtgtgttca ctgtgctatc agaacttcat 120
 tctaccatgc ttttaccttg ctcacgtaga tgcagtgtgc cttaagatca ttcaacagtg 180
 gaaactgggt tgatttttag aacttgatag gacaagacta gtttatcgta tttccatgag 240

gaatcgggggt acggtaacct agttgttgta tgtttgtctt aattcgggtcc cggtcgagtt 300
tagtccaaca aaaggaatct gcggacgata ctttatcagg attactagac tatcatgagg 360
aatcgagatt tagcatttca ggagacacca tagaacacat aagcattgtt atgtagaaaa 420
catcccttta acaccaggca cctactaaga agaccaacgt gatgtaagct ccattggagc 480
tt 482

<210> 6473
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6473

tcaagaggca aagtgcaaac atccttcatt tcaaaatggt cacttatgtg tattcaaaga 60
attgatcaaa tcataaaaaa gataagggtg aatagtcact tttgtccttc aatgtgtgat 120
tcgctaacaa atacgtgtct gaaagatgaa aaaagtgcga ctgntgtgtc tagccgttct 180
catgtcgtgc actagttaaa tacaaggcc tcacaggcac agtaaggaca tatectacta 240
ctaaaatgat tgactactat agactttata tcacactgac gtgatctgca taggtacgaa 300
tggtaacaca caccatacgt tattatgaca actctatctc ttagctaggt atctgatata 360
tagactca 368

<210> 6474
<211> 565
<212> DNA
<213> Glycine max

<400> 6474

agcttttgggt acaaaagaag aagaagaata acttcaaaga gatttcaagg cttgtaaatg 60
attgtaagag attgttagaa agattgatta aaaatgcaaa acaaagcctt acttttatag 120
actcttcagt tatgggtcaag aaagccattc agaagagtta taacttttag aaaaacttaa 180
aaccatttg aaaggggtcaa aacctttttg aagagttaca tcttttagatt tttcagaaac 240
aaacattggt aatcgattac caaataagtg taattgatta cacaaagatt ttgagtgaaa 300
caatgtgact cttcacatth aaatttgaat ttcaacgttc aaggacactg gtaatcaatt 360
accaaactcat tgtaatcgat tacagccttt tgaaaatatt tggaacgttg taaattcagt 420

ttgaaaactt tttcaaactc attttgctac tggtaatoga ttacaacaat atggtaatcg 480
attaccagaa gagtaaaact cttttgtaaa ggtttttgtc aaaactcatg tactattcaa 540
aagttttgaa aaccttttaa tactt 565

<210> 6475
<211> 486
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6475

ttagagggtgc tagtggaagt agaaagaagt tgattgtacc ctttaattaa atcttctcta 60
gatttgaata ttacctcttc accatcagag ttgacagtgt tatcaggcta aggatgtatc 120
aaccattaga cataggttgg tttcttcctc attgtcctta tcagacaatg aattatccaa 180
gtcctcccaa gtgttcatga ggctttttaga tgcaatccta ccccgcaagg gcattggata 240
gaagactcca agtttattgg gccagagatc caagggaagg ccctanggtt ctcatgagcc 300
ttanggtaga tttcgagccc atgggctaag tatgagcccg cttatctttg taaatattag 360
aatagatttt tcctttgctt cgcgcccttg tatttggcca ttctagtaat atagggtttt 420
aacctgtat ttcggggcat tttgagtagt ctttgtaaca acgacttttn ttgtttttca 480
tgtttt 486

<210> 6476
<211> 494
<212> DNA
<213> Glycine max

<400> 6476

agcttgtcga agaacatgca tgatataatt ataaaacatg tataatctgtc tccaagaag 60
ccattcaaat tcaaagtggc tgaggctagc ttttgcttat tgttgttgca tgcataaata 120
actagctata tattgtaagt taccaattac cacgtatatg ttggctatgc aatactatat 180
tatcagttat cacgatcata aagtactacg aatgatgcac ggtaacacgt ttggataaaa 240
tttctgtgca ctggtttcca tgaatatcta actaacgtgg gatgttttcc tcgaacaatt 300
ttttttttgg gtacgtaata gtaacattta gttttttttt tctttttttg atttaatacg 360

agatccatag tatccgaatg ttaaattaga ctggatcaac tgagggtaat attacttatt 420
 ctttcttttc atattggtaa gtataacctt tttaataataa atttaattct tttgagcata 480
 aaatgaaatg aatg 494

<210> 6477
 <211> 470
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6477

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 gttgccccaa actcgagca cttgagtttt aaaatcgttc agaagtataa ttgcttgcaa 120
 aaatgcagcc ttcgggctct tgaggcttga agtgagagaa ataaaaattc tagttgtaa 180
 ggaactcatg gttagcgatc aattctctga tgatgatact catcacatga atatctatct 240
 tgagaggatc aaagttttgg agcagtgaaa attcaacctc taaggagtgt gtcgctgaga 300
 tttttttttt ttttttaca tatgcttgca attaattagt ttgtgttcaa tcacaaattg 360
 gcttttatgt aaattattgt gatattcact tntccatttt gaaaaacttt ttatgctgtc 420
 ctaaaaaatc tttaattcta tgagatataa atacattggt ataaatagca 470

<210> 6478
 <211> 1107
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6478

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 tnacgatatt tctcgtcata acacctatta ttaatatatt cctgtaatat accncccc 120
 nnaannnncc acgattgaga ccatggcaga accggggatc ctctanaaga cgactcgcag 180
 gcatgccaac ctgcaggctc gttaaaagaa gaaaactttg ctataaaaag ttatccacca 240
 cacgaatcaa aacactgagg gcacttattt taaaaactaa caagcctcta aaatatattt 300
 ttaaaatatt tccataaact tatttaattt tctggctcag aaatccctaa ataaatcttt 360
 ttggtcgtat tcgcaatttc cttatatatt aaaatttgct ctcgagtggt ttaatccgta 420

taaccgggtt cctttttaag gttgataatt taaaagaatt gactgggtgag aagaaatcat 480
 attatcactt cactacttca aaacaaaaag gtttgaacat aatctagggg ctaataatta 540
 tattatataa caaaaactta ttctggagaa cctccagcta aaaaatcgga tcccttttat 600
 cttattacgg atctccaaca gaaattttaa aacacttctt ctcgggcatc ttcagaagtg 660
 aactcgcaaa tgtacaaaca aagaagggat tcttttggtg atttggcttg aaaaccaccc 720
 acactcctta aatctggtga taggctacaa cctcaggac ctatattttg tcgcacggca 780
 ttttggaacc ttgggactcc cactttttcc atgggtcatg aaataaagag atgggaattt 840
 tcatttgcac tgaaggcgcc ccattggagg actatgaagg ccttttagct tttaccacct 900
 cccaaaattt actagactac cttcttttcg ttgtttaaca ttaaaataag ttaaaatacc 960
 cctgtctgtt tctcttctcg tgtcagggt gatctaactc atctccacca tacaacgatc 1020
 atagcgctga tctcatcggt cccgctcgtc tgtattctaa cgtcgagcta cttataccgt 1080
 cgatcacgac tacacagcga cagccg 1107

<210> 6479
 <211> 565
 <212> DNA
 <213> Glycine max

<400> 6479

ggctcaaaca cgctatgacc aactcaacct tattgaaggt aaacgcttga tggccatgtg 60
 ccatggggcg ctatatcaac aaagaatgaa gaatgtgttc gacaagaaag tgcgcttgcc 120
 caagttccac gaaagggacc ttgtgctgaa aaagatgtcc cacgctgtta aagaataatc 180
 gagggaagtg ggctccaac taccaaggac ctttcattgt gaaatgggct tttccggag 240
 gggccttggt gcttgccaac atgaatggcg aggagctacc tttaccctg aactctgatg 300
 ttgtcaagcg atactatgct tagaatctgg ggcaattaag gatatcattg catgttcttt 360
 tatttttatg tggttcttctt gggttcccc aaggattccc gtctgctgta tatttctcgt 420
 cacagtcttt ttaaaaagaa gagaacaaga gtttgaggct tcaatcctca ctttgggctt 480
 taaaccatgt gcagtttgtg ataacctgag ctttttctt tagtccatgg gatgccccaa 540
 gcgcttaatt aaaactgaac ctgac 565

<210> 6480

<211> 476
 <212> DNA
 <213> Glycine max

<400> 6480

cttacaagtt tgatatcaaa caaaatcggt ctctattaca ttcaattcct acctcaataa 60
 ctgttttgac tcaactttgt tctactaatc aacttcagct ttgtgagcca tattaatgcc 120
 aatctatatg ttcaaggagc atgacattaa tgtaaagca aagattcatt gaccctcacc 180
 tttgttcctt tcaaaaattc agttgccttt ggtgatggca tttgaattac cttccattcc 240
 aagccatggc tccactagca cagatctatt tgttattgct gtctccatct tgtagtggt 300
 atttggtca ctttgttatt gcttggtaac tcgcaagtc aagggaacat attacaatga 360
 caagccatca aaaagctctg ttacttgtag agtggtcaca ttccaagaag tccaaaaagc 420
 aaccaacaac tttcaagaag attttctttt tggcatttgg gggtttgga atgtct 476

<210> 6481
 <211> 462
 <212> DNA
 <213> Glycine max

<400> 6481

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 agaagggtgca tgagaatgat gagataaatt tcaagacaa ttttctaata aaactgtctt 120
 tgaataactta atttctaaga taatttttat aaaaccgccc ttggatatat aactatagaa 180
 gcaaagcttc atggggaatc aaagggtgatt caaagggtgtt ttgatgataa ccatgatgat 240
 tacacaagat gatgactcag gtgatgacaa aaagctcaaa gatcaatcac agaaagcctt 300
 aagtgaatca aagatcaatc aaagaaccac cttatgtgaa tcaagaacaa ttcaagagtt 360
 caagataaga atcaggaaga attttatact caagaagaaa gtctaaagtc aagaatcaag 420
 attcaagggt caagatgtca agaattcata tcaggattca gg 462

<210> 6482
 <211> 1035
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6482

THE

2764

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 atccttccca ttgagtcctg aaccatacca attgactgcc cagctccgga tatgcctacc 360
 ttatcaataa aatctattcg aagcccatg aattgaatgg cattcctgga tccccccacc 420
 attgaaactg gaacccgccc aaatggatgg ctaatggtgg tccggccatc tccaccaatc 480
 tattgttacc ccatgaaatg aatgtggtaa cgcattcctc acctttgagt tcagagcctt 540
 acgaaatgac tgccgcgctc tggagatgcc tctctataa ttaaacttta atccaagccc 600
 catgaaaaaa tggcacttaa tgcagcccc tccattgagg ccagagccca ccaattgatt 660
 gccaaacgct gttcgcgcat ccttcacaat ttattccgga cccctaaca tgggtggggat 720
 taatgaatcc taccctcttg attctcaaat ccacaaatt gatggcttgg ccttgtgcag 780
 ccattcctca ttaaaaactc taatctagcc cctgaattat ttgccttctg ggcctctccg 840
 acataaactt ggaaccacac caaagagttg ctaaactgtg accggcctac cccacatca 900
 agtgcagcc 909

<210> 6484
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 6484

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 tatatggcta cacctttgag catgatgtat ttattttttt aacttggggg tattttttta 120
 attttactat gttagcaagt tttgttggtc ttgattgatg cccctttggc accttatgaa 180
 ttcttgtatt ataattggca caacctacct tacgacagga tggcgaagac caataaata 240
 agccaaagcg ttctgtcttca agggaaaaaa tgaacggagt cccaccaac gtttattcga 300
 gaaaaaaatg ttagaaaaac ccaaaagaca tctatgaatt ttgaaaataa aggtttgcga 360
 gttgtttaca ca 372

<210> 6485
 <211> 452
 <212> DNA
 <213> Glycine max

<400> 6485

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 ttaattttatt ttggtgggaa atggcactat gacataacca tggaactcat ccacttcct 120
 tcaaacttct atccctcttt cttttctttt ttgaaactt ctcctttgtg gttgagtttg 180
 atctatgttt tttctcatat ctatcccaag tcacaggtaa gttagttttt ccactcacta 240
 ctaaaaaata tacatttaac atcggcaggt taacatcggg ttccgaaaaa accgatgtta 300
 acaaaagcac ggtggcatac ttgtaattaa gattagttta ttaacatcgg ttttatacaa 360
 aaccgatgtt aacacaaatg ccgtggcaat gttaacatcg gtttttttaa taaccgatg 420
 ttaacattcc ctaattaaca tcagtttttt aa 452

<210> 6486
 <211> 439
 <212> DNA
 <213> Glycine max

<400> 6486

agcttgacac aacactctga gcataaaagt gtgttttctt ttttaaaatg tatataagtg 60
 tatggcaatt aaaatatatt aaatgttctt gtatgttgac atgggtaata agatactttc 120
 tacacatgcg cgtgtgcata aatggattac atgagtttgg tctaaatcaa aggggctagc 180
 acgacatttt tgcgttaata taagcattat cttgtaaaac taacttctaa atgtttgttc 240
 tcgcaggaaa tggccccgag gaaacttgcc tcaaagagat ccaggaagga taaagcggcc 300
 gaaggaacta gttctgctcc cgagtatgat agtcaccgct ttaggagcgc tgaacaccaa 360
 cagcgcttta aggccatcaa gggatgggtca tttctccgga acgacgcgtc caacttaggg 420
 acgacgagta taccgattt 439

<210> 6487
 <211> 538
 <212> DNA
 <213> Glycine max

<400> 6487

gcttggcctc aaacttgctg atgatatgct gtcaaaaact ccaactttta aaactcgtcc 60
 ctactggaat tccaaaataa gaaaaaggct ttctttctct ctttggccca gggaaggaaa 120
 ctgaacacca tctaagggtg gcctattaaa attctcctca gaaaatctgt ctttgaaatg 180

atataaagct gcatttttaa cactgctagg cttatggacc cacacaccat ctatgatcag 240
accttgaata gcattgcgcc tctttctatg attaatcagt ctatgaaaat agttagaatt 300
gttggtccct tcttttaacc acttcagtct ggcttgattc aaaaacataa gctgcattcc 360
aaagctgac ctgaaggtat ttcttgagct ccacttcagc ttgagacaaa gttctatcat 420
taatacctac ctccaaaacg ttcaactcca tctttaaatt tggatttttc tagcattaat 480
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<210> 6488
<211> 890
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6488

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ctaattttta accttggcgc ccatatcttc ttcaaatac caaaagaggg cattgtctaa 180
ggctgaagtg cgtgtctaca gtgggaattt taaataccag gtgtgggtgg actactttct 240
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cggatgagct aaaccacccc aaaaagtatt agggttctta tgacgacgct tgtgaagaat 420
aagagctgaa aaaacctaag ggaaaactgt tgaaattaaa gatacaactc ccctaggggt 480
ttaaagacag aatggggtgt ttaaaacccg aaaccaagaa agaacctagg gcctggaagg 540
cccaatggag gcagtgttac ttatataaaa gggaggaccg tttaaagctc gaatctttta 600
cctcgacaat gccccgtac gcaaacgtag aaatagatat gggacgcccc cctccctatc 660
ggaaaaaccc atggaacaaa ggacctgccc acctcgagtg tctccttata acacaactga 720
caaagaaagc gttctgcggg tacaccaaac aacaaagggt cgggatatac tctctgaggt 780
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tgctttcact catcaacact agcatctctc ttccactacc ttatcccccg 890

<210> 6489
<211> 614

<212> DNA
<213> Glycine max

<400> 6489

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aagttcaatc aaacaatcat actttcagct taaaatgggt gcaagggata aatcaatcat 180
gcaccaggta agcttttttag ctaagtggct ctcttcaatc aaaatatggc cttcatcatc 240
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agtcgttctc tcataattaa agatcacact ctcaccagggt tgtggctaata gagtaccttc 360
acaatcaaac tgtcaaactg actaacattt tcagtcatga tcctaataca tgttctttct 420
tctttaatga ctgcacactt cattcaaaca tatgatttac gcattccaaa ttcactcaaa 480
tcacgccatt gatcacttca aaccaattac aaacacttga atgccaaaat caagtttcaa 540
ccaactgggcc attcaagctt tgtacaagct atcaacccaa attaaaaatt taacctaaaa 600
tttaaaagct aaaa 614

<210> 6490
<211> 455
<212> DNA
<213> Glycine max

<400> 6490

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acaagaaggt gcgcttgccg aagttccacc aaggggacct tgtgctgaaa aagatgtccc 180
acgctgttaa agataatcga gggaagtggg cctcgaacta cgaaagacct ttcattgtga 240
aatgggcttt ttccggaggg gccttggtgc ttgccaatat gaatggcgag gagctacctt 300
taccctgtaa ctctgatgtt ggcaagcgat actatgctta gaatctgggg caattaaaga 360
tatcattgca tgttctttta tttttatggg gtcttcttgg gttccccag ggattcccg 420
ctgctgtata tttctcgtca caagtctttt aaaaa 455

<210> 6491
<211> 1014

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6491

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 aaaaaagaca ggaagcgggc aaacagggaa gacgaagggg aaggtggaga ttttggggag 180
 cggacagaaa aaaaagaacg gggggggagt gtttgatagg ggaaagaacg acccccctaa 240
 agaaagaggg gcgcgggaga acaaaacaca cggaggggag agggcgaacg gaataaagca 300
 cacgaaagaa agggggagaa aggaggcgcg cggcggaacg gaggaaggaa aaggacggaa 360
 agaaggagaa aaaaggagca gcgacgggcg caacggcgca agcgaaaatt aatagaaaaa 420
 gagaaaggag acgcggaaag aagaaaagga aagggaagag aaaaaaagga aaacgggggg 480
 gggggagaca aaaaaggcaa aaagaagggg acagaggaca gaacaacaga aaagcaaagg 540
 caaagcaggg gcgggggggac gaaagacagg aacaccagaa aagagcgcaa cggaaaaacg 600
 aaaaaaaaaac ggagaggggg gaaagggagg aacagagaag aacgaacacg agaaggaggc 660
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 gcagacggca acgcgggggac gaggcgggag aagcgagggg agcgcaagag gggaaacaca 780
 gaagggaggg aggccggcga caggggtggg aaaatagggg acgaacaagg ggaaaaaag 840
 ggagaccaa gacggagtga acaaaagaga gaggagggaa aagggacaaa aggaagggga 900
 gagagaaggg agcaagaggg ggagaagggg gaaagaaaag aaaaagacag ggaagagagg 960
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<210> 6492
 <211> 792
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6492

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 aacgaatatt tgactaaaga anacggnnag tgaactgtct cccgaccaa ataaagagaa 120
 caacagacga acaaccccag gaattttcat tttggaaaaa acgagcaggg acaaccgata 180

$\frac{d^2x}{dt^2} = -\frac{g}{L} x$

<400> 6493

<210>	6494
<211>	522
<212>	DNA
<213>	Glycine max

<400> 6494

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tctcggtttg tttacttttt atgccccctg ttgacgtgct taagccattt tacttaagtc 120

gtttctcgct taacttaaaa ataaaataaa tttccacoga acgtttgaat tgtattatcc 180

attaactttg gtcaaaatca attccgaccg ttcggtcgtg ccgtaaccac gttggaaatc 240

aaaaagaggt aaaaaataat ataattattc aaaagacatc ttttagtaaa ataaagccga 300

aatcaatca gacgttttct ctttggaat tctcattctt aatcgaattg attaataact 360

aaagtgaac taaggctaaa atcaactcgc ctagtcaagc tcgtccacaa aaataagctt 420

ttgaagattg tcatttcaat ttttactaa gtaaaatggg tcatttttaa agtccaacgc 480

tttaaaagat cacccttaa aaccaaaaag aatcattga tt 522

<210> 6495
 <211> 502
 <212> DNA
 <213> Glycine max

<400> 6495

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gtcaacgttt ttacaggaaa cgatggtcca ttaaaaagct gaccctgaaa atatatcacc 120

gtcaagtata gtattctgaa tatgccattt tttatgaaga gatgatattt atctgaatga 180

taagtatcat cttactctgt aaacagctcc caaccgcct tgtccaagtt tattaaaatc 240

agcgaattca tttgtagcag ctgcaatggt atcaaaattg aattgcaatg actcaccaaa 300

tgtaatttca tcttcgggac tatcttctcc tttaacctca cctgaatggg gacccccctg 360

aaattatgtg agctattcaa aatataacat tgagagatat tatttctcat atacaaaccc 420

agaaggaaat ggctaaattg gcttcctccg ctatcttttt tttattctta gctataagtg 480

aatgagtaaa gcatgcttc aa 502

<210> 6496
 <211> 1081
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 6496

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atagctcnng gagaccaaac tgcngcatac aacgacaact agtgacaaca ancnnntcaag 120
gcnnncnacna cgaggggttga aatcgatggt ggaacgcatac tggaaangga ggctaataaa 180
ataaaccccc acggcaactc aacaacgaac aaaaaggaga gaagatctct gattttatta 240
tatatacaac gcgccaaaga agagggggag agattttttt ataccacca ccaccaccgc 300
ccggaccgcg gaagaggagc gtggagaaga cggaacagga tagcgagccg gcgacacaaa 360
gaaacaaaat ggcgagaagc acgaaatgcg tagcgccgga cggaacgaac ggggaagagg 420
cgaaccagga cgccgaacaa ggagcgacaa ccaggcggcg ggggaacaga agagagaaca 480
agagagccga acgggaaatg agaagacgcc gaaggagaga aaggagaaga gaaaggggaa 540
caggaaagcg aagaccggga caagaagaga gggcaaagga gaggagcaaa agggaggcgc 600
aaacacgaac ggagacgcag atggaagagc aagaggcgac gaacacagag gaacaatgac 660
gaagggaggg gaaagggaga gatgaaggac agataacaac gatgcgggaa ggacgacgcg 720
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gaagagaaga ggaacacagag ggaaggtgaa acgggagacg ggggaaagcg gaaacggggg 840
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accagaggca gaggacgagc acggcagggg acaaacggc gaagaggaca agaaccgatg 960
cgacgggacc agaaaggacg acacgagcga ggaaggacgc gagcgacggg aaaaaacacc 1020
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g 1081

<210> 6497

<211> 496

<212> DNA

<213> Glycine max

<400> 6497

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attttattaa actttttctt ttcttctatt ttctttcttt ttctacctct atttcttttt 120
cttggtcatt tattttcttc tccacgacca ttattggttt ttactctccc tgacttgtca 180

catctgttac ctctcttttc tttttctcag tgccatcctt tacaacaatt tgtttctcca 240
aagccaccct atcttcatcc tcaactacca aacgcttctt gtttcttgtc atcacagcat 300
tacattcctc tttgggattc ttttctatgt tgcggccaaa gctattggat gacttttcag 360
ctaattgttt ggctagtggg ccacttggg tctaaagggtt cttcaatgct ggctcagtgc 420
ttttggtgat ttgacatggg cacctgcatg aattgagtca aagcctctc agcttgggtg 480
cccttttgaa aatggg 496

<210> 6498
<211> 481
<212> DNA
<213> Glycine max

<400> 6498

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cgttatgaaa atctgagatt tatctacttc catagtaact ggctatatgt ttaagtttgt 120
tttcagtgcc catagtaaatt tgggtgtagaa agagcttaaa attccaaatg aatatctaatt 180
ttctggccaa gatccattta acatgaataa ataaataaat tggcaattgt ttaatgtctt 240
tgtacctgaa accttgagga agaaaataag aaacatattt gcgaatgaac caccacaaac 300
ttcatgattt agacatgtgc ttttatgcct aaattaattt ttctgaatgt aagtgacaac 360
taccactttg atggaaagtg ccgaactcgt tcaccaatta tagaaaatac caaacttggg 420
cactctatct gaacgtatat tttggtaaaa agcgcccaaa attaagttca acttttcacc 480
t 481

<210> 6499
<211> 888
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6499

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gtataatata gtataaaggg gaaaccgaga aatgaacttg ccttcganac cnnaataaan 120
gnaaacaccc cccccccccc aaggnnnnann nagatttttt tttttgagaa aaaaaaagaa 180
aacaagataa acataaatta tacccaaaaa actaaataaa gtataaaaaa catcacagta 240

aagacaataa aactataatt aacaaaaaaaa aaaaatcaac aatctaggaa tttacaaaaa 300
atataaaaca gaaaaagctt ataaataata aaaaaaatat taaaaacaaa atgtggtatc 360
aaaaccacaa aacattaaaa aaaactactt aaccaataaa ttattaatta tacaaaaata 420
aaattacatg aaagaaaaac aattaaaata atttaaacag aagaaaaaga aaaaagaact 480
aaattgcata cataacacaa aacacttaaa atcatctaaa acgaaataca acaaacaaat 540
cacacaagaa atagaagaaa aaaaaaataa ataaaagcaa aaaatcgaat ttcacaaaac 600
atataaagag cataaataaa acaaaaatga aatagacgaa taaatggaaa aaaaataatt 660
aaagattttt tgttgataa aaaaaagccc ccctggagtt ataaaaaaaa aaacaccaa 720
acaacacca caacacaaag agagaagaaa aaaataatta aaaaaagtgt atggtggngg 780
ttnnnnnnnn nnnnnntnnn ntattattat aaggtgtaaa taaattanga acatccatac 840
tccacataca catatgtata ggagggttga anngtgetca tggntag 888

<210> 6500
<211> 400
<212> DNA
<213> Glycine max

<400> 6500
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taattaagga agaagtctat gtggaacaac ccctggagtt tgagaattct atctaccttc 180
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tatgaaaagc taagtttggg tataactgaa aatggcttta aaagaggaaa agtagatact 300
actttgttgc ccaaaaatta tggtaatcaa ttctaatcg gctagatata tgtggatgat 360
atcatatttg atgctcctaa tgactcttta tgccagcttt 400

<210> 6501
<211> 938
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6501

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 tgcaaaagaa ttttaacact agaaagcact taaaatcatc aaaagtgtta ggggcaaaat 540
 ctgatttttg cataacaaga tatagaacga ctgtttaaca ccaaacaacc ctcttgacct 600
 cactttttgt gggttaatac ctctccctca ctctaagggt tcccccttc ttttgacct 660
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<210> 6503
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 6503

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 tatgtttgtc tagttgagt tccatcataga aagttttgag gtcactctggc caaagcacat 360
 ggtctttccg gggaggccaa tcaagaatga gaagtagcat tgttggaacta ctggggatca 420
 tttcaaacac aaaattt 437

<210> 6504
 <211> 1035
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6504

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 aaaaaacca agggagaagc gacgccgacc gcccgaacg cggacgcac agaacaccg 180
 cagaccgaa caacgagggg acgacagaca accacaccac cccccaccac cccaagaaa 240
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gaagcaccaa gcccggcgac aacacacgac ccaaaacacc gacccaaacg acacaccggc 420
ggcgggggcc ggcgagagcc gagctcagca ccacgaccgc cacaacagac aagcgccgcc 480
acaccacaa cacacggaac aagacgcccc aacggtcgaa acaacgacac acagaccgcg 540
gccacaaggc accagggcat cgacgacgca atcggcacga gagacaggac caagcacaag 600
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gagcaagagg acggacacca cggagcggaa agcaagacgc gacacaacag accaagacgc 960
aacacgaacg anaccacgag cgaccaaaca ggagaaaccc acagccggtg gcagccggcg 1020
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<210> 6505
<211> 916
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6505

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accgttggtg cacccggtag caccacacnc ganctgcatg catgcaagct tctgatgccca 180
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gaaccttttc aactgaacaa gcgggcgggg atcctcgggtg accttgacac ttggcacaaa 360
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attaaccatc tagaaattga cccagcccac aagtcattca agaataagcc ttctggccaa 480
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aacaagtgga ctcagtcggc ccataggaaa caaatccaa tgggcgctga accaaaccca 600

ctggtccaag gaacgctccc ccaaaagcat aaacaggcct tccaaggaaa atggccaaca 660
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 ctgtaaacta gcacagccta gctccccacc gcaccacaat ccattccgcg cccctcacgc 780
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<210> 6506
 <211> 248
 <212> DNA
 <213> Glycine max

<400> 6506

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 ggttttggcg acacaaaaaa tagttctcat aattgtgata cacaccatta tgacccccag 180
 gggggctcct cttggcagcc ctttatttct ccaataaacg tttttctgta aaaatccttt 240
 acctgaga 248

<210> 6507
 <211> 1009
 <212> DNA
 <213> Glycine max

<400> 6507

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 gaagaatgtg tccgagaacc attaggtata ttatggacct caaggaacct cggggaccat 420
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ggaggggagtg aagaaccccc attgctgtctt gaaaactgaa atactctttc ctactgggaa 540
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 gcgtcgtaaa tcaagcgtcc aagtataacc cgcgtgacct cagcgaagg catctttatc 960
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<210> 6508
 <211> 983
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6508

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 cacacaacgg actctgtaaa ggtcccacac ggcgcttcgg ggaatagaca atcctccgac 240
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 ccaaaaaaag gctttcgaaa gtcgacacct aaaagtcacc accaaaagaa agggatcact 660
 catctaagcg cccacacctt acaaagagca ccccttaag taaaaaagca atcactccga 720
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catcagcgcc cacgcacaac caacaacgcc accacccaac agtaccgacc gagcggtcca 900
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 gacagcgaag acgcaggaag ccg 983

<210> 6509
 <211> 1398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6509

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 gtcaaataan ctacactanc atnnctatgc cctnennnnn ntctcacgag actgcnacna 180
 gattgtanan cccagctang atctcatctc ccancactta cncggagag gnancccata 240
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 gccctaaacg gaggtgaagc ccaaacttca caatttatat ttgcggcttg gcgcctcacc 540
 ttggcccggc ctttcccaga tccgggaaaa accctggccg gggcccagcc tggacattaa 600
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 gtgacgtgcg cacggccg 1398

<210> 6510
 <211> 1451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6510

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 nnnnnannna annnnannac agcaagaacg aaggagaaaa cacaaacaaa agaaagaggg 180
 gttgtagttg ttataaagag acgcanactg agagaagaga ggaggagaga gaaaggggga 240
 ctacgaagaa caaccgacgg cataaaacag accaaaaggc ggaggaagca gaagggcaga 300
 agaaagtaga agaaagagga ggagaagaga gaaggaagag acggagggga aaagagggga 360
 ggagagggag agaaagaagg gggaggcaaa gaatgaaaag ggaggacga agagaagaga 420
 ggcaaagagg aaggagagaa cggaagagtg aaaaaataa aagaaaagga gggaaggaga 480
 cagggaagca gaaggagaaa gggaaggaag acggacgaaa tcagaagaac agagaagcga 540
 gagacaaacc gaagaagtgc tgacagtaga gagaagaaga aggatcacgg agaagaagaa 600
 gagagaaagg gagaggaagc aggacaagag gagagcgaga agaaaggagg aggagagaca 660
 acgacgagag gagagaagag gagatacgac agtgctagga ngactgaaca cgagaatgag 720
 ggagagagga cggagaagag gcgaacgaga acaggagaga cgagacgaga gggcgacgag 780
 agaagagaca ggacgacgga gcagcgagg gagaggaaga tacgacagcg gagcagagga 840
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 acatagaaga ngagggatgg cggangaacg angagctaca ngaacgtaag gcgtaggaga 1260
 cgaaacgagg tacgagacga ggaaggcagg gaacgagtca agacacgagc acangangcg 1320
 gagactggac gggagacgga cagagagacg agcgtataca cgtaaggagt agaacgagac 1380
 aggtagacac agagaggaga gcgagnagat gacagcgcac gcgagacgtg aggggcgtga 1440
 ggcgcgtaga a 1451

<210> 6511
 <211> 560
 <212> DNA
 <213> Glycine max

<400> 6511

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 aaaaccatca aaatttttaa taatatcaag gaaaaaaaaa taacacaaac atgataatat 120
 taaaattggg agaatattat aaaaaattta taaatcacia atattatatt acaaaaatta 180
 taatgaccaa aaaattagcc gtgaggaaat ccactatggg gattcctccc ttgcgtggta 240
 acaaattttt ttggagctaa atgaccagct taaaaaatcg gtaagaaata tgttttctaa 300
 cctcaataag ggttggggga aaccatccga tccttcaggt ggcagggggc caacaaaaaa 360
 tgggaggtgg cacactaagt gggaaaaagg ggggtaccaa ataaccgaat gaaccttaaa 420
 ctggccttta agtactttta tttggctcgg cgcctggaat aattatggg gggccgggg 480
 tatattgggt cctaaccata actggttcat gggcccctta caaaccttt caaactttta 540
 agcaaacata ccccttctta 560

<210> 6512
 <211> 183
 <212> DNA
 <213> Glycine max

<400> 6512

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 ttaagcgggt tagagaaata cttatTTTTT tattaacttt cttaaagaat ttttaaaaca 120

aagggtataac cagcatggat taagttaatt caaccctgtc tgtaataacg cggaaaaaat 180
tta 183

<210> 6513
<211> 263
<212> DNA
<213> Glycine max

<400> 6513

aacttattct actttacaaa atcgaggggtc aattcttgaa gaaagtataa agaccacctc 60
tctgatatta ccaatttgat aattgagaac aaagggtcaa gattcttcaa tgtactctaa 120
aatttttttg ctaaaccaac aaaaactcag attaactacc aaagccaact attgaatttg 180
ttaaaaaaaaa aaaagaaacc tcctctcaac cttgcatttt gtactggaag aaaacaaatt 240
aaaatccgct atgaaaaaaaa aaa 263

<210> 6514
<211> 533
<212> DNA
<213> Glycine max

<400> 6514

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tggtgttcca agaacacaca caccacatt ataagaggca ttccaaaagg gtttttagtat 120
ccttagaaat gccaaaactt gcccaaagtt aaatggttaa aacaaataaa caaatcacat 180
aatgggaagg ctattggcta gaagaaagac aacagaaaac caattggagg ggtggttttt 240
cctttttcat ttttttatat gaaaaaaata aattataata taaaaataaa ataatgaaa 300
cagaatctac agagaaaaaa ggtttgatag gcaacaactt aaacattcct tccacaaaac 360
aagggtggagt gaaactaact aaaatacctc aaactatctg aatcctcaag gtagatagac 420
gaagcaacca aggggtacaag tgatttggac ttagatatct aaacccaaaa aacacctact 480
ttgcaatagc ctgaaatatg ccatgggttac attttgttgg gaaagtaatg agg 533

<210> 6515
<211> 516
<212> DNA
<213> Glycine max

<400> 6515

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agacctccaa tcattaatgg agagggttac cactactgga aaaccogaat gcaaattttt 120

attgaggcaa tagacctaaa ttttggga gccatagaaa tagggcctta tatacccacc 180

acagtagaaa gagttacaat agatggcagt tcatcaagt aaagtataac aattgaaaaa 240

cctggagata aatgggtctga agaggataga aaacgagtag aatacaattt aaaagccaaa 300

aacataataa catctgcctt gggaatggat gaatatttca gtgtttcaaa ttgtaagagt 360

gctaaggaaa tgtgggacac tctttgatta acacatgaag gaactacaga tgttaaaaga 420

tctaagataa atgcactaac tcataagtat gaactaatta gaatgaatgt caatgaaaat 480

attcaaagca tgcaaaagag atttacacat atagta 516

<210> 6516

<211> 1106

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6516

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ccgattattt taacgccatg aacacagacg tccncatagc aagagctgtg agtgaancat 120

gtttgaaacc gttgagataa cgcagaatgt aggaagcaac cttagaataa ggctattggg 180

ggaaaatagt acaaaaatgt tttattatat ttgagaggaa gagcgagaaa cgcgggaata 240

gagaagtgga ggatgtgatt gtagagtgat attgtataga ggcacaagaa cgttggacaa 300

cggcgctcag tgagattata gcgtcatcct aacagaagat gtcancaatg gataggcaca 360

atgcgagagg cgaattgtgg acctgtggat catggataaa ggaaaggagc atagaggtgg 420

gaactatgat agttacatcc accacaggat aggtntgaat taaaaagaat ggagtttaga 480

aattgggagt agaaaaaaaa ggtctggggg gaaaaatatg gggcaacgta tataatagtg 540

gtggataaag cacaaaagca aggattgttt ccttaccagg ttaggggaa ataggtataa 600

aggggataaa cataagagat agaaggatgg aaaggggttt tactaaatat tgggggggtg 660

tggtgcagat aagaaattaa gggagtgagg tttaaattta cctcaaaaag aaaataaatt 720

gagtgtggag aaaaataaca attatcgagc tgatgtttaa agttcaaaca actggaaggg 780
 ggaggaaaac aggggttaatg tatactggaa gaatgaaaat tgagaaatgg gaaataaaat 840
 taaaacagaa ctccagtcac tgctttgaag aatgatatag gaacttggga ggggagaact 900
 aggataaagg gattacttgg gacgccaaag aggaaaaaat ttgggttgcc caagggaag 960
 ttaaggatta tataaggaca agaaaaacaa cggcattaga gaaaggggaa atgggttaaa 1020
 aactacatct aggtgtgttc aagtatggtt cggtaatat agtagaaatg aaacggcaaa 1080
 tattgtcgtg atgggtagaa ttttgg 1106

<210> 6517
 <211> 487
 <212> DNA
 <213> Glycine max

<400> 6517

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 tgtacttgac tactacttgt gctatggttt atgggttttc tttgcatttt tcttttcaaa 180
 agaaaatgta gccaatgaaa agattcttag tgcataataa ttgtaataata ttttctttta 240
 ttgaatatta taatttggaa ggtcaaatgt tagatgataa cttcttggag tttgtatttt 300
 gatagcctag tcatttacca ggacttggga aatgttctag atgggtggcct tggctcttcta 360
 tgcatttttg gccttggaaa caatgatacc agcccccaat attatcatta aaaaattatt 420
 gacctcaatt ttctcaagaa ccccatTTaa aagctagtgt tttctacaca attttctcga 480
 aaaattt 487

<210> 6518
 <211> 940
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6518

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 accatacaat cgactnttcc ccccncccca cgccctggan atganatcga ttggcggtac 120
 cgggaccttt aaagtcgaac tgggagcatg caagcttcaa gagttaaacc gtcgaggggc 180

tcaaaatatt	attaaaacga	aaccttctta	ggagtaaaag	gttagaaaca	ttttagtcce	240
agaaaggaga	accgtcaagc	agatgtaaac	cgggaaaaaa	agaaagtgga	cgaagagggg	300
atccaagaa	aaaaaaagg	caaattaaaa	aaaggagggg	gcggggccag	caaaggaac	360
aagtctgcaa	agtgggcgag	tggcggtttg	gggcaatcca	tgaaaccaag	gactaggagg	420
gagaaacact	ataataacaa	ttaaaccaaa	acatatcaaa	aaacaaaggc	ggctagagat	480
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ggccaaagaa	tagaaagacc	ggaaaaaaaa	agagtggacg	atagatttga	aaaatgagac	660
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ggagcggggg	gaacacgaat	aatcaatagg	gaaccgaagg	ggcatcaatg	aatgaataa	780
gtgaacacct	aaccagaaga	cagaacgaag	tcatacaggc	gtgatagacg	ggcataatga	840
tgagaacaac	cgcgagccg	aaacaacgtg	gtacaacggc	agcgagcgca	atacgggtaca	900
tgaaaaatgc	gaacatgcaa	atctccaacg	catgataacg			940

<210>	6519
<211>	323
<212>	DNA
<213>	Glycine max

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cgcttaccac	aaactgcata	ccaagaatat	atactttgtg	aaacatgtca	gaaggggaaa	120
aaaattcaac	cttattttca	aacaaaaaat	ttgtttccac	ctcaagacca	ctggtaactc	180
gttgccaat	gtacaaaat	ctcacaagta	agaaagttct	cggaagtctg	aatgtccaat	240
ccacaggga	tttgtttgga	cttaaaaata	tgccaacca	atttaaaacc	cagagaaaag	300
aatttaaaat	aacagattat	gaa				323

agccttgggg ctaaagacct atataacagc accatgggta tagtttaaga agtttgggg 60
gaagagaata attttagaag cttcgcaaat ccagtttggga ttacagggtca tgcccactgt 120
tcacgtaaaa taaaattcgg tttctggaaa tttgtttctg cttcaaacta caatagtgtt 180
ttctgctgat taatggaagg ctaagtctcc agcgcgggtt tctattgaag agcacagctc 240
tctttgaagt ttcgctatta ctattgaata ctgatcagtt attcctcttc accaaatact 300
ctgaatttgg cgctaataat cgatgcatgc ttaaagcttg attaatagac tctgagccta 360
aattacattc atgcttaatg atcaagttcg tacatgagaa ataggggaat atgtagctta 420
accacaaaaa gaaaagccta tgtccatttt cgcttaata 459

<210> 6521
<211> 482
<212> DNA
<213> Glycine max

<400> 6521
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aaaatgcacc catatacaat caaggtagct tcattaccta gattatttac atgtacttcc 120
aaggtgtatt tgttatttac atcacacacg cctccttggc taaatttaca tacatgcata 180
ctcaaagcat ttcggggtac caaaaattgc acatgcgctc atcttggtat ttctaatacc 240
tatacatata caaacttcat gatgaatctt gactacctac gcaataaggt gctacatttc 300
atgctctttt tttttttttt ttttttgagg ggaatattaa ccatgtcccc tcccttctca 360
tggttagca tcttgcttaa cttgaactta cttagggttag aattaggcgt tggatactta 420
tttttttact tttttaaaca aacaaaaagt aaaagaaagc tgcaaaatac aaaagatacg 480
gg 482

<210> 6522
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6522

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atggggcaga gacctttgct ggatgggtgc cgaatggagg ggtttccggc atagccaaaa 120
agcttggatg gtgctaggca tattgatgaa tattgtgagg tgttgattgg ggttttggcc 180
aagcaggaac cgaggtcacg gcatgagcat cccctttcttt tctttttgcc ccggccattc 240
tgaatctttt gttgcttgtg ctggcagggg cgacatantc gaacttcctt attttaggcc 300
tatctcgatc cctctacc 318

<210> 6523
<211> 451
<212> DNA
<213> Glycine max

<400> 6523

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tttaaagata ttagttaaga aattaaaga aaaaagtatt tattatataa ttataagaat 120
attaaaaaaaa tcattaataa tgtaatttta tgtattttga taaaaaaaaat taatttttta 180
attaatattt taacagcact cggtagtatt tgtatttttt atttattaat ttttcgttta 240
aatataattt taatccttaa ttcttgtaac ataattacac ttttacttta aattttttat 300
tttttatttt tgaaaaattt tatattcaac ttttttattt ttgatgaatt ttatccttaa 360
atcttttttg gaaaaattta tttcacactt ttgtgttctt taatagataa atgatgaata 420
aattcttaaa tttcttaaga gaacatttat t 451

<210> 6524
<211> 521
<212> DNA
<213> Glycine max

<400> 6524

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ttttcacttt cattgttatt ttacattaaa cattcattcc tttcttcatt ttccagaatt 180
ggatcgggtg ctcathtagt aataaatact tcaattgggt tattacttgt tttgtttcta 240
ggttactgtt tacaagcagc gagcaagtcg gctagcttcc cttacaagc gcttggttcg 300
tattaaattg ggtgatttct ggtaatgtga ttgaattttg aatgggttgac gttcttacct 360

atcagttatt cagttttttg gggaatgata gctataaatg tactattgtc cagtttttgtt 420
aaggaaggac tttgtcttgg ccagctcttg ggaaatcgat ttacaatcac attgcggtga 480
ggactttatc tttgcatgaa attcaatttc ctatgtgaaa c 521

<210> 6525
<211> 384
<212> DNA
<213> Glycine max

<400> 6525

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tggttttttt ttttgcacaa tgactaactc ttaatcgact tacagataaa tatacaatct 120
caacacttag tcttttctct caagaggttt aaagagcttt gagggctttt tcaaactata 180
caaaaattta caaagagctt tttacataaa gaatttgaat aataatgtgt aggtttgtat 240
ctcattcctt taaatgacaa gtgtatccta cgccttagta atattggact aaaagtttga 300
atattatacc ctaaagacca ttcttgctaa acttgtctct ctcaacaaag actatttga 360
tatataaaga ggaaacaaat tgtc 384

<210> 6526
<211> 445
<212> DNA
<213> Glycine max

<400> 6526

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agccaagctt gaacttcaag tgttcaactt ggctagatag acttgtttgc acctttactg 120
ataaatgact aatcagaaaa ttaaattcac atagaggaat acaatcatta tactaatgta 180
taggtgacag acacacctta cttttgcatt taaccttgta gactgctct ctgaatgatg 240
agacaaagct gttattaatt ctgatctgcc aataaaaagg caggggaaat aaaaagtatt 300
agctgtgaaa tatagaggtg agaataagaa cagaaccaac ctgtgcatga tgaagatctg 360
gctcaatgtg tttcctaaat aatggaaaaa tgctatcaat aaggtaatcc agtgaacaag 420
aatctccaat gtcatagcga acttt 445

<210> 6527

<211> 626
 <212> DNA
 <213> Glycine max

 <400> 6527

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 tcttctatctt ttcgttttta gttttgggtct ctcttctctt tcgcttttat tttcgttttt 120
 tacaatttca gttcacactt ttagttttat caataaaatt tcgttctcta tttgattaat 180
 ggaaggctaa gtccgcagcg ttgttttctc ttgaggatca agcacagttc tctttgaggt 240
 tctattatta ctgttaaatt ttgttcagtt tttcctcttc actaattact ctgaatttgt 300
 tgctattaat tcatgcatgc ttagtgcttg attaattgtc tctgcgctta atttacgttc 360
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 tttatggtaa attccctta gtaatttaatt ttaaggggtg gattaagggg ttaaactgat 480
 aagggataaa atttccccac ctacgataag aaacttgctt gtgaatcaag gggaaccaac 540
 ctattttaat tccgataaat ttctaaatca attttctctg ctgggtaaatt taaccaaaagc 600
 aaccaacccc ccccccccc cccctt 626

<210> 6528
 <211> 329
 <212> DNA
 <213> Glycine max

 <400> 6528

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 ctccaaatgc cctgaaattc aaggctaaaa ccctatacta ctatggcacc cttaacttgt 120
 acccttaatt tgtatgggtc cctacaaacc tattctaata tttgccaaga ataagtggac 180
 ccaaccttgg cccatggggt cagaaatcta ttctcacgtt catgacaacc ctaggacctt 240
 ctttatcagc tctcacccaa ttctcttgga gactcttgtc tatggctctg gtgactgccc 300
 cttactatg gaggatagta tcatccctt 329

<210> 6529
 <211> 483
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6529

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ttaaatttta agagaaacga ctatcattta atactaattt ttgcatgaat ctttgaagta 180
tggattgaat gcatgaaatt gaggatgatc aaggccatgt ttgattgtga tagccactta 240
gccaaaaagc tgaccacgtg cttgaatgaa ttatcccttg ctcccaattt gagttgaatg 300
aattattgat tgattgaacc ctgagcctat acaatgttat atcctgctac cttggattan 360
gttgtaggag agcctcatcc acaggaaatg tggttcaaag caaatttgtc cccaatttgg 420
gggagtaatt attcaagtaa aattgtccca aatttggggg aagcactggg taaaaattga 480
aat 483

```

<210> 6530
 <211> 495
 <212> DNA
 <213> Glycine max

<400> 6530

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tgtgtgattt ttcttatttt ttttcttgaa tccaaaatcg cttggttctt tttttataat 180
tttgggtccag atgtctagaa aattcaataa aaatttcagc tcaaaacatg tagtgaccaa 240
ttcccagtaa tttatacaag tttgtatggt caagttgccg gcaccagtga tttcaaccta 300
gaaatcaaga gtagtgttta tggttgctta ggcttgata gttacaattt gtgtttgctt 360
atgctcaatt atcttgaata acacaattca agagagctta agacttattt gattcacaaa 420
tccagacact acttagcacc acaactcaac ttcattatag gcatcatgta ggaaaacttg 480
aaaacaaaaa aaaaaa 495

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<210> 6531
 <211> 489
 <212> DNA
 <213> Glycine max

<400> 6531

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 ggaaaaaacc atgctatgac taccattcct atacagccca gtttaccacc aaccaacaa 180
 tgtccttact caaccataa caaactttct tcttccccac cacccaatta tccataaagg 240
 ccatccctaa atcaaccaca aagcctgtct accacacaac caatgctaaa caccaccttt 300
 aacacgaacc aaaacaccaa caaaaaagga attttgcaac aaaaagcctg taggattcac 360
 cccaaattcc ggtgtcatat gctaaacttg ctctcatatc tactcgataa ttcaatggta 420
 gccataaacc ctgctaggtt tctcaacct tcatttttct gaggatacga cttgaacgca 480
 acatgtgca 489

<210> 6532
 <211> 460
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6532

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 caccttttgg gcgtgttctt tgaaagatcc gtcccccttt ttgcaaatgt tctgtagttg 180
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 tcttcagaca gtacatcctt agatgggtct tggagcaagt agtccccctg tacttgtaaa 420
 agtccggcac cttgaacttg ggaatgacca tgtttgggta 460

<210> 6533
 <211> 416
 <212> DNA
 <213> Glycine max
 <400> 6533

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 tttttactcg gatgtctgat tgagtcccat aatacatcga gacgctcgaa attgaatgtt 180
 gaagctctca gctaattcaa acgacaataa cttttttact catatgtctg attgagtccc 240
 gcaatatatc gagatgatcg aaattgaatt ctgaacctct aagctaattc aaacgacaat 300
 aatcttttgg ctcggaagtc tgattgagtc cccgtttcta ttgagacgct caaaatagaa 360
 ttcttaacct cctagctaata taaacgacaa taactttttt ctcggatgtc tgattg 416

<210> 6534
 <211> 356
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6534

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 atggcccccagaagaagcttgct cttaaagaag tccaggaagg acaaggcagc cgaaagaact 180
 agtttccgctc cggaatatga ccagtaccgc tttaggagcg ctgtacacca gcagcgcttc 240
 gaggccatca agggatgggc gtttctccgg gagcgacgcg tccagctcan ggacgacgaa 300
 tatactgatt ttccggagga aatatggcgc cggcgggggc atcactggtt actccc 356

<210> 6535
 <211> 368
 <212> DNA
 <213> Glycine max
 <400> 6535

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 gactaatcat tggctctaaa tgaccttttt tcgtttgatg atcttctggt atgaaggtgt 180
 ccattgaggg attaaatgca tgtcagcaac ttgtcaaagc atactattaa aggtagtgac 240
 agatccatgt ttaagtgtat gggaaccatt gccccataa tatttttttt tacttgaata 300
 tacttaaaaa actttatttt tacccttatt aaaatggtat tgcccacaca atttttttaa 360
 aatgaatg 368

<210> 6536
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6536

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 cagaaacctg accttacaga acacactcta attaaaagcc atagacatag ctgaggacca 300
 ttgatgaaaa gggaccatta aagtcctttt cccgcccccc tcagccagga cgaagtgaaa 360
 aaatttgtgt tttccacca ccttagagat gtgaaaaggt tgattatgaa aagaagatat 420
 tcattggcgg aacctttcat atttgacc 448

<210> 6537
 <211> 968
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6537

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 taccaaagga ctaccacgga caaagccttt tataacceca aggaaccttg gggaacaatc 180
 cacggattga aactcactac aacacctaag tgaaaaatca tgataaaaac caagtcacgt 240
 aaggagataa aggagctttc ggaacccgac atgggaaaag agcgaggagg gatttaagtc 300
 ccataggaca acatagactc ggcgggggtat gcataaacga cgcattgttg ggcctataca 360
 tgaaagcaca ttgcacaatc ggcacaaatg gcaggacaat gctgaaccga aaacggctaa 420
 ctattcaaag ggcaaggga accagaaaaa aaaacacaca aaccttcgaa aaaaaaaaag 480
 gaaaaaggaa ccgaaccctg gaaaaaccag tcacaggtcg aagggaata aacaccttaa 540
 ggggcgccac aaaggaaaaa aggaccacg ggagcaaaca cccacggtg aaaaactgcc 600

aaactaaaac aaccaagaaa aggcggaaat taaagaaggc accgaagaca ccacatgata 660
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gccgctggga caaactaaca cgctaaaaag aaccataaaa accctaacac gcccgagct 780
taaggggacg atgggcaaga taaaaaaact gaccacaaa taggggagca agcgttctac 840
gggggccc at gagggaac agcaacaaa aaactcgaaa gaaaaaagg agtaaccggg 900
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gacggaag 968

<210> 6538
<211> 526
<212> DNA
<213> Glycine max

<400> 6538
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caaacatta acctaacca attaaagctt cccttacctt tcaagctttt tcccaagct 120
aagttttgac aaagagaatg gagaaataga atcttgagat ccaccaagga tttcctacaa 180
tcaatagcac caacacacca taccagggc tccaatttgg gtcactcaa ggaaggaaa 240
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ggcagtcaaa gaagctctaa ggaagaagac ataagccacc aaagacaaa gagtaacttt 360
gagataaaga aggagataaa agggagaaga tgagagatgg aggaagcttt gcatgtttaa 420
agctttggaa aaatagaaat ttttgctaac tggacctcaa cttcctctaa atatacccct 480
cactaaaata aaatacacat attttaagtc cttttcgtg aaaacc 526

<210> 6539
<211> 1462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6539

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ataaacatat	agacacgaag	ttgagaaatg	tgagagagta	tcgtatcg	ttatatangc	300
gcnagtgtga	ctcgcaacta	agagagggta	cgcggtcgtc	gcacattgg	gtcacaaaac	360
gatttcgtnc	tatctcgact	atatctgact	gttggaatat	ctccactagg	atatgagtga	420
cgcgccctaca	taaggggtaca	agacaatatg	catcttataa	cactgatacg	gatataatcc	480
ggtatacacc	gtaccatcac	gtcgcggggc	cactgaaaag	cgaagaccta	agaggtatac	540
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gcagccttca	ctgtacttaa	ccaatatctc	tcgttgetga	tttacacgct	cactatacga	1440
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<210>      6540
<211>      906
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      6540
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cggaggcagc	caacaccata	ctggaacata	caaccggcaa	acatattttt	tatgggggaa	180
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aactgcccaa	aattctccta	acaaaaaatg	aaatcaatca	tggagtgatt	aagaactgaa	300
aactaactag	aacctcacct	aaacatttat	ggtaaatagc	tctttcacta	cggcaacatt	360
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cgcaacacca	ccccacggg	acacaccccc	cacaccaaac	acaaaagcc	tcacccaaag	720
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cgcagc						906

<210>	6541
<211>	415
<212>	DNA
<213>	Glycine max

<400> 6541

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ggtattcttt	gaaaagaccc	gagccccctt	tttgcacatg	ttttggagtt	ggatcctatc	180
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cctcaggaag	gttccaagtt	agtgtaccag	ggaataacta	cccccagaag	actttcttgg	300
aaagaatgga	tcaacaattc	cctatctttt	gcggatgccc	ctatcttttc	gacaatacat	360
ctttaagatg	gggtcttggg	gccaaagtaat	cccccttggg	ctttggcaaa	agccc	415

[illegible]

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gccattagc	atcggagacc	aaggaataga	gcgacctata	tgtagatatg	cgctgtcggt	600
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266

<210> 6545
<211> 537
<212> DNA
<213> Glycine max

<400> 6545

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<210> 6546
<211> 1247
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6546

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cgacggagaa cccgcagaaa gcgaagggag ggagacaagg acggggggag atcaaagagc 540

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<210>	6547
<211>	347
<212>	DNA
<213>	Glycine max

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aggcatggac actaatccct gacccaactg caattcgtgc gaaaggtcgg ccaaaatcaa	300
caaggataag gaatgagaag gattgcctcg aaccatctga acaccga	347

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[illegible]

<400> 6549

<400> 6550

2802

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ataaagaaag agtgccaaaa ttagaaagat cataaaccta taaaaaaagc gtattaatct 540
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<210> 6551
<211> 589
<212> DNA
<213> Glycine max

<400> 6551

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aacttccttg aaagtctctg atgggtctatc ttgccttct gacagactag gcatgcatac 540
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<210> 6552
<211> 1024
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6552

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gacactcgag aacccccaga gncnancngc aagcatggca gcnnnggagga acagcnaagg 180

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<210> 6553
 <211> 414
 <212> DNA
 <213> Glycine max
 <400> 6553

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 tcatatatcg agacgctcga aattgaattt tgaacctctg agccaattta aacgaaaata 300
 acgttttact cgaatgtctg attgagtcgc cgaatatatt gaggacgctc gaaattgaat 360
 gttgaaactc tgagccaatt catacgacaa ttacttttta ctcgatgat tgat 414

<210> 6554

<211> 446
 <212> DNA
 <213> Glycine max

 <400> 6554

 agctttttaa acaaaaaagt tatatataaa aaataaacag aactaagata aaaaaaaaaa 60
 caaaaatcta ataattctat ctttttggtc cctaaacttt tttcacactt ctgcttttaa 120
 tgccataatct aaattttgac caagaaaatc cctgaactcc attaccactt ttagaccttg 180
 tcaaataaca ttaattgatg gcataatagc gacattgata atccaatgac ttgtcacatc 240
 atcaaggagt ttggcgggat aatcacgtgt aattaatata aaaaaaaatt gtaaactgtg 300
 tttttaatcc ctcatcaact agtctacgtc acatatctaa gtggtatgga aattcatgaa 360
 actacacaca aagagtccag tttggactaa attggatttg ttttcaaatt tagattcaaa 420
 acacaattca atctgataaa aaaaaa 446

<210> 6555
 <211> 303
 <212> DNA
 <213> Glycine max

 <400> 6555

 agcttgagat gaggaagtgt tgaaggggtga atcttctgc ttttattggt gaccacagag 60
 tggtagcttg agatatgtcg cggggggtcaa gaaaccttgg ggacgtcagg tggggtgcta 120
 ttgccccaaa ccaaacttga ccaatcccgga cccaaccgg gcataatcgg tcagtgaaaa 180
 cctgtgatgt acctaaacag gcgagctcct ggccggcaac aatttaaagg aacaaagacc 240
 cccaagcaag gaggcttggt gtggctggcc accttgaac tttgattgat atgtgggtta 300
 tgg 303

<210> 6556
 <211> 340
 <212> DNA
 <213> Glycine max

 <400> 6556

 tgctctaaaa ttacatttga tgtttgtatt tatgggagga agttatatgc catttttgct 60
 ttaagagtaa tggcccaacta aaactaactt tccaaatggt tgccttcgca ggaatggccc 120

cgaagaagct tgcctcaaag aggtccagga aggacaaggc ggccgaagga actaattccg 180
 ccccgagta cgacagtcac cgcttttagga gcgctgtaca ccagcagcgc ttcaaaacca 240
 tcaagggatg gtcgggttttc cgggagcgac gccgccagct caaggaccac gaataactg 300
 attttcaaga ggaaataagg cgccggcggt gggcaccact 340

<210> 6557
 <211> 279
 <212> DNA
 <213> Glycine max

<400> 6557

aacgaatcta ttagttattht aaaactgtaa tattaatgcc aggtcagaaa accacccttt 60
 atcttattta attttcaacc ttttgttcgt gtcaaaagac taaaatatgt aatatgtaat 120
 gattatcaca tttaaagagg taatcaataa atagcaaatt caaacaaaaa ataaatagta 180
 ctaaaactta taattaaccc attatattac ttaagaaact aaattaataa taatcaaatt 240
 tagctttttt tggatatatca aaggacccaa ttaatccaa 279

<210> 6558
 <211> 1003
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6558

cactgtatcc gcaacataat gctcgggtaca ctctcccctc ctattcctcg gactcatatt 60
 cgtcatcggt ttanttcgcc atacttacct atcagaccgt cccgcgannn nncctgattt 120
 gagttcatng caattccaan cccgggatcc ctaaaaccaa ccggaggctt gcaagctggg 180
 aagtggaaaa acaactcctt tgatcaaccg gaagaccccc ctgaaccctt gccttgcttg 240
 aacaaaattc ctttccagaa tcctcccaac cgctaaaccc cgtggagccc tccttaaagg 300
 aagacctctt gggtagccgg cattggagcc tcgccttaac cagaaaactt caccttttaa 360
 cactctttgt aaaaaaaacc cccctttttt ccccgtaaht tggagaagaa aattgaccat 420
 taaatttcat accacaaggg ttctacctga gccccagaat aaaaaccag gccaaaattt 480
 attttcaact cccaccccaa agaaaaccta tattggcggg aaaaataaaa catttttgaa 540
 aaaaatatcc tttaaaaaa agttgtcgct ttagaaaacc taacaaaaca cccccaaaa 600

ttacactggt gctgggtccgc ccccccccaa aaaagaacac cctctggtct ccagggagaa 660
 aaaaaacagc ggggggttct caagcggggt ggccgcccaa aaatcacccc cccgaaaaga 720
 atggcggaca agcctgcac acccctttct ccaaaaaaga cggttctttt aaaaggcaac 780
 cttcctttct atggcgcgcc cccactcaa cctagccgaa ccgggcgttg tcatacatgg 840
 cgggatcatc acacccccca catcacctg ccggatcacc acataactca tgccctcacc 900
 cactccctcg ccgtcacca cctaccgat tctcacaaa ccagtgtctc gccactccct 960
 cattggcacc atcatctctt cacaccteta catcgtactt ccg 1003

<210> 6559
 <211> 492
 <212> DNA
 <213> Glycine max

<400> 6559
 agcctttaac aagtttcttc acaaataact atcatgaagc ataaaactag caagactacc 60
 catcatatct ccccaaacc catacccacg aaaatcaaag gagaaagaag tccacccaaa 120
 cctgaaattt cgaagtccca ctctagcca cgcacttcac gactccaaaa acgccatcct 180
 ttcacgattt ggggaagaaa tgatggccaa aggttgagc tttgttggg tttcaatgga 240
 gaatggagga gaaggaaaaa gcaacgtgag gaagaggag agcttctgaa ttttctgctt 300
 tggctgagtg aggagagaga aaagcttttt ggttttaaat aaaaagggtt ttcccttttt 360
 ctattatttt attcaagctc tgccacatgt ccctatttga gtggagcaaa agggccact 420
 tttccttttt actgtgaccc acacctgcc cacaagtga aaaaaatctg acctttgaaa 480
 ccctaaaatc ct 492

<210> 6560
 <211> 516
 <212> DNA
 <213> Glycine max

<400> 6560
 agcttcaaga attatggcct catcaaaata cttgtttccc gtaggaaatt ctataaataa 60
 acctcccatc tttaatggag tgggttacca ctactggaaa acccgcatgc aaatctttat 120
 agaggcaata gatttaaata tttgggaagc catagaacaa ggaccttatg ttccctctat 180

aataaccgga agtgcaacaa tagaaaaacc taaaacaaat tggactgagg aagaaagaag 240
 attagtacaa tataatttaa aggccaaaaa tattattaca tctgccttag gtatagatga 300
 atactttatg gtttcaaatt gtaaaagtgc taaggatatg tgggatacac tacaagtaac 360
 acatgaaggc acaacagatg ttaaaagatc taggataaac actttaacgc gtgagtatga 420
 actttttaag atgaaatgta atgaaaatat acaagacatg caaaagaggg tcacacacat 480
 aggtaatcat cttgcatctt taagaaaaac cttttc 516

<210> 6561
 <211> 1030
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6561

cgccacatct cttcatggta ggtcaccgga ataccttgtg ttacactatc caantactac 60
 tactgttgta gttctgccac accccaacna atgcnttaat naggaccnc gatgagcctg 120
 tgtccatccg ctatacacia ccccgggact gcaagaaagc aagcttatga aggcccttat 180
 gaaaaaaata ctattactgg tttcttttgc ttagaaagaa ctggacctgg cgttgcaact 240
 attattccta ttcccgaaca aatacaattc tttaccacg aggagggata ctcatagaag 300
 gaaactccct ctagggtaag gaaagttgag acaagttttt gcttggacac ttcaaccct 360
 taccctatca agggggagaa atgggttcct tcccgatgg gcactaacia ttttcttgaa 420
 ccttgctgat ccaacgagac agaaaacttg acccgctaaa tttctcccag tgtgagatta 480
 gccttccttt tcccctctta agctttacct aagatcgaga cggcagtttt ttattctttt 540
 ccagaatgaa ggaaaaaacc ctaccccat aacaaaatca ttatttacca gaggcttccg 600
 cttcacattt atgaaggttt gttgggggtt tacatctcac tggaccatat aaaggtatct 660
 ctttcccact taaggagaaa ggcgaaaaac ccattattct tctaggggag atccaacttg 720
 gactccatgt tccaggacat tggataatca tgccagcctg agtgaaccaa aagcgtcctt 780
 tgacataaaa gagtgttatt gtccggagac atacctaac gcgtgaaggg aaacgggtccc 840
 acataaagga aatccggaga atgtcttctt tcttctcagg agtttaattt tcacatagca 900
 ctttttgga acctcctgga ttaagggtc tgagggactt ttggccacgc tattcggtta 960

acggacaaca tgaaccacc ctttggccct attaaccccc acagaaggtc taagcctggg 1020
 agtgcctcca 1030

<210> 6562
 <211> 1768
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6562

accatgtcgt cgtncaaact ccagtntagc cgtngcnagc aaaanangcg ntcgctgtga 60
 gccaccnagt nncnnttcct nacntacatc tnagtcagca cgtgcttctt anntaatcan 120
 tnnaccgtaa acgntnannt aaaanntccc ctanattatt anntacatca aatannntcc 180
 gnnncccgan nttgananta ncaaattacn ntncctcatn ntantannac gggcnaaaaa 240
 nnannntnn nnnannnnnn nnnnnnnnnn nnnaaatcag gannnnnatt aggtatntgn 300
 nancccnac ttttcgcca nngnnaann nccccnnncn naagnnnagn nnnncngna 360
 cnnncctagg anncagnggg gncnantctg ngccannang ggcncntnn tgggcnacan 420
 naacccccn ancannatag ggcncntnt ccacnccna ncanntnann atatnaangn 480
 aaagcagga agnngactan aanatcttct nntcntnata aatgcntnc ggcgtncnt 540
 ncncactaa aatnataann aacccctgt cccctgcgc gtctgcctta ngaaaaatac 600
 gancntcaa ctnattaaac angaacaan anagcgtent ggtcgtctnt tcccaacgag 660
 tgtncacca tncntctgga ngtaggcca naaacnctc cgagnatggg ggtgcgacna 720
 caaaactatg gataggaaga aaaacctcat tagcttggct tctacacagg aaatnacaan 780
 tcaaaccnga aaacagaaaa gnangatctg tcntntgtg tctttcttaa agaacadata 840
 cccatacggg aaaaggaaca acacaaagtc gggtnctctn tncctctggg cgggtngaaa 900
 acatncgctc aacatactcn cccctccttc tcttcttctt ggttaggaag gnatnaanan 960
 aantncnncc nacttttcta aaaaccaca angnagaatn gnntggcgtc ntcgggcacc 1020
 nntctcggg aaaatncnca tccatgccaa aaataggtgn taggcnnct catcaaacag 1080
 aacnanatac ccncntntn ntntggggg tncgtctta taaaaataca cctccccaca 1140
 tntcntaacc aaaatacgtc acaagtgtg gcggcctctn ttgggcgccc cccactatn 1200
 agagacncag ttcnntcttt aaccanaaga ggtgttgcgc agagaaacct ctntcgcgta 1260

aacaccggaa gctttttgaa caattcaaat ggtcataact tttta

404

<210> 6565
<211> 932
<212> DNA
<213> Glycine max

<400> 6565

tccgcttcaa cctgtttgaa tctcttttg ccttctacct agtctttcat atctaattcca 60
tctcttatta tgcaaccccg cccacccgtg atttgaatcc atcccatcc caggcacct 120
aaagacaacc gcagcctgcc agctttatgg ggaaaccaa gggaatcaa agtggttttg 180
atgataccat gatggatata aaacattaat accaagggga tgaccaaag ctcaaagaac 240
caatcaaaaa ccacttaagg gaaataaaga acaattcaag aaccacctca agggaatcaa 300
gaacaattca agaattcaag ataggaatca agaagaattc cagactcaag aaaaaattt 360
agaagtcaga atcaagattc aagggttaag aatctcaaaa tccagatcag attcaagact 420
caagattcaa aatcaagag aaggcttaat caagaaagta taaaagttt ttctcaaaaa 480
ttgagaacca catgattttt ttcaaaacaa gttaaccaa gaatttttac tctctgggaa 540
atccaatacc caattgtgg caatcaataa caagctacaa aatgggtttt aaaaaagttt 600
tcaaatgac ttaccaccgt cccacataat ttcaaaaaac ttggatataa atttcaaggt 660
cttgctgctc atactactcc aagtacgttc aactgacatt aattttattg caatgatcct 720
tagctaataa ccctactact gataccctc tacaaatact actcatcgta taacgtattc 780
taacctacc ctcttcgtca gtactccgca tcttacacat gcctctctac atcaacattc 840
cgattctac tcagaccgca ctacaatcat cacaactcaa caccactcta ctattccata 900
tacagcccgt cattaacccc gtctacactc cg 932

<210> 6566
<211> 598
<212> DNA
<213> Glycine max

<400> 6566

cttgaatcag ttgaacattt cccaacaagt tcataacca acagcttata aagtgttcg 60
ggtgaaacat ttaaataaat atcaccatcc ttgtgaaaag aaaataattg tatcacacaa 120

accaaaaata acatatcaaa aataaaaaagt tacttttgaa tccaaaaacg gacttcaatt 180
 ttaagcttat taactgcac agctgattga ccaattaatt cactgcattc acgggtccaa 240
 agcaggaatt ttgtgctttc atctccgtgg ttgaacatca cctcaagcct atacctgcta 300
 ccatatgtac caatagtgtgta aaaaatataa aggtatgaag aatacacaac attttaaaag 360
 atcgcaatga cctaagcaca acttccttat tgtattttcc gcatgcacat gtgaagggcg 420
 ccatctctgg atcacttctt tttatgaaac tgaatgcaag ttgtataaca ccatgaatga 480
 ttgtccataa caatcatagt aattgggcca acagttacac aaacaatttc ttgggtgaaa 540
 caacatacac ttcaaatgct gaaaaaaact tggcttgggg aagggtaaag aattaaaa 598

<210> 6567
 <211> 556
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6567

agcttgata accatgtcta gatatgaagt tattgaaaca atcaagaatg ttcttttaatt 60
 gaatattggg gctcttatac caatattgag aaggaaataa taacattata ttctctaaca 120
 ccttttgaca cactttttta tttgggtgaaa ttgatgtaag tctcactaaa tgagactcat 180
 ttcttatttg gcgcactctc ttttaaacta gtggaattca aataaatttt aaccaatata 240
 agaagagagt ctattagaaa gagaattata attatgttac acgaggctga agtgcctga 300
 atagcagact gataaaagac aagaaatttt gtttgcaggt acttactcct tcgtactcac 360
 tccaaggagg ctttccccgt gaacatttca ataattgtac aaccanact cccaatatta 420
 acagcgaaag ccaggtcaga gctgttatct ttttgcacaa ccgcttgaaa aagctgcatg 480
 tatgaggaat aagtgtctat agagaacgca tgagacatcg cggagttata gagttataaa 540
 ccttaataga tatacc 556

<210> 6568
 <211> 481
 <212> DNA
 <213> Glycine max

 <400> 6568

actagcaggg gtggcttaca caaagccccc aaatccttgt tgtcttaca aaagcctaag 60
attgaagtcc tagatgaaga tgatgatgaa cactttaccg taccaaaatt tggataaagc 120
acatgggtcat gtaaacaatt gcctgaatca gtaggcagta ggttgacgag ttggatatgc 180
atactaagtg cagatgttaa tgaactcttc aatgtgcctg gtctagctga agctcaagac 240
catgaggact attgcatgaa tcttgtaatt gatgagctgt atatgcatac ttctcttagg 300
acagtaagta atgaagtatg ttaactagct tggggagttg ataaatatct cattttaaga 360
gctatgaatg gtttgatttt tagaatatag cataaattaa aaccttaggg ggattaaatt 420
ttccttggtc tttgggatca tcaactgttta catcctataa gggctcacac cacacaacaa 480
t 481

<210> 6569
<211> 936
<212> DNA
<213> Glycine max.
<223> unsure at all n locations
<400> 6569

cgcattgacgc tcgaaacgaa gcgtatctaa actaaaccat gcttcatcta ggacgtgaac 60
tttgctagaa ataacatcgc ggaatataca gccacnaan acnncacgtg aacctgaatg 120
caatccntag cacaaccccc ggaacctata agtggaccgc caagcatgcc aagctaaccc 180
atagggacct tcccttcggg tgtatgaaaa aagatatgaa ctgggacact gtcaagtttt 240
taaaaagaca aacaacggga tacaatcac tttagccggt ggattattgaa taaatatctg 300
aatttaagtc ccaatgggct ctagaactca tttaacagga aggatataac cttttttttt 360
cttttttagca gctatgcata ggtaccataa aaaatgatta cctgggtatg agcaacgacc 420
ctgcaacaat caaaaaaccc cttaatgaac ttttttttta aataggagca attaaagaaa 480
gctacttttc tactaaaaag cttattttaa tcaggggtta aaacttggat aagttaaaca 540
aacttaaggc tcatatgaaa ttataattag cctaggaggg tattggatca ggatattaac 600
aagttaatt gatttttttt agtcaattag agtttaaag aaataaaaaa atcctaagga 660
aatcaaaaat actttaaaat tttttaagag gtgcacaaaa aactaacatt aatgcagtaa 720
ggatcttaaa aaatttaaaa aaaaagcctt ttaaaagagg ggtgggggga acctgtgcgg 780
aagcccacac ccctaaaagt ggacccccgc ccagcttaa aagaacgccc gagaaaagta 840

cgacccgaac cgattccgta cggatacggg ggaaacactt cccacgcaga tagaaagtc 900
acttcggtct cgatccccac acgggccgga taaccg 936

<210> 6570
<211> 435
<212> DNA
<213> Glycine max

<400> 6570

ctgccaaactt attcaaaaaa aagtttattt ttatTTTTTTT cctaataaac atgggggctaa 60
cctcgggggtc aaactaatgc cgggtcatgtc tttttgggtg ccaggggcaaa tggatatttc 120
tttaattcag ggttaagaat attgattttc aacgcagaac aaggatactc cacactccct 180
ttttgttggt ccaaaccaat ttgtttgatt aagtgaactt gtaattttac cgagaaatgt 240
tttactTTTTT cttctttcat aattttggat ggaaaaaaat attccgaatg taattacat 300
tcagtaatga ataacagctt tgccaacgcc agctgggtac acccacattt ttctgcatgc 360
ttggatccgg tgactccgtt aaatacactc tgtacttgaa ttgaaataat tccctgggga 420
gaataccttt aaacc 435

<210> 6571
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6571

agctattcct ctagtngetc tgatagggtt tctagtcac tatatagaaa gagaatggat 60
tggagcctca attatattgt ctctgtgcga ggggcatttc tttctctaca aacattattt 120
tgcacatccc aacggtggga atatgcggaa atgagttccg aatgtggtga ccaaattcta 180
tgatgtcca atggttaatg aatatgggat catactttta cttacacaag tttgggtgta 240
tgcattgtttt gggagaggaa gaagcgataa ctaantttag aggaagaaag agcgcataga 300
cgtatccgat gtgtcaaaac tgacctaattg tgtccattta taactatgag accgagtcta 360
ctatatatnc tatctgttgc tataattaat tactncataa aaagagagct ctattatact 420
ctctatcaaa tacataaata taacatcctc ttatgttcta aaaacacat 469

<210> 6572
 <211> 371
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6572

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 atttaactgt cntngcgctt ggcggccccc ctcaacaaag tactttcgac acctactgta 120
 cgttgattta accaatgctg ttatgggaat gttgcgacaa tccttcaaaa ctttattgat 180
 acattctgag aggttggttg tcatgtggcc atatcgacgt ccttctctat cataagccat 240
 cgtccatttt tcctttgaaa ttcgatcaat ccatgtggct atggctggac tcagttcacg 300
 aaaaattttc taaatttgat caaaaatgtg cttgcaagga gtgtacgctg cataaaatta 360
 gttatgaata a 371

<210> 6573
 <211> 204
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6573

 agcttcttac tccattntaa aaagctttct tctcattttc cactttttcc tgcggcattg 60
 tctcttgttc gtgggggtag caaggttgag tgcagcgggtg aaggtgaagt ttccggcgtc 120
 aagctttgcg gtggtcgggtg gcggcaaaca aggtacgcag atggcgtttg ttcgtcgcgg 180
 acgtacggat ggcttccgga tcaa 204

<210> 6574
 <211> 442
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6574

 agctagagtt gtgtttgtga tctttgaaac tctcttgatc attgcaagag tttagagatc 60
 tcatgcttta ggtgaccctg acataaaggc actacgattt tttttgttgc cttaatgttt 120
 gttttttttt tgggtatttta agagtcaaaa tgggtgaaaa gtctttattg gtatatgaat 180

tattatTTTTg ctttcttgct ttctgcttat tctcttggtc ttgtttgcat aatttgatga 240
 actagatctc taatgtttta cgattaatga aactccaatt tcatgattta cattaaatta 300
 aaaacagctt gtacatgtga aacaatgaac ttgggttagct aatatctcta aatctcgcta 360
 ttttcatatt ntaagaggca cgagcttcag aacacttcca tagttttntt ttttttttg 420
 cttaccctac caaacaatga tg 442

<210> 6575
 <211> 493
 <212> DNA
 <213> Glycine max

<400> 6575

agtcacctgc ggcattgcaag cttcttctcc aatattttat aaggactcag taacatggag 60
 agaagtatga caaatgctgc cagtgggtgga gccttaggag acatgactcc tgctgaagcc 120
 agaaatttaa ttgagaagat ggcttccaac tcccagcaat ttagtgccaa aagtgatgtt 180
 attgtcatta gaggagtgc tgaagtaacc acaaattcat cttcatcagc cgagactaag 240
 aaacttgaag gtaaaactaaa tgcttgggtt aacctggtta cccaactggc cgtgaatcaa 300
 aaatctgcac ctgtcgacag actctatggt ttatgctcct ctgctacca ccacacagac 360
 ctttgcctt ttgtgcaaca atctgaagca attcaacagc ctaaagctta tgctgcaaac 420
 atctacaata gacctctca acctcagcag caaaatcagc cacaacaaaa caattatgaa 480
 cctctcagca ata 493

<210> 6576
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6576

agcttgtcag aataacagta cgtgtgatgg tatattgaga ggcattggata agtatgcaga 60
 atatactgct gaggaagaa aagaagaaaa ctatatatgc ataattattg tottaaccaa 120
 aggcttttgg catcacaacc actggcatga taacttatgg tgattattac tatgagtcgc 180
 ccacgagggg atgacgaaat actaatcata ttagagcttt tcaattgctc tcaccatttc 240

aaattatcag ccacttttat ttcatagttt ttgttactnt aaaaaataa tgatgacttc 300
actttaacag ttttaactctc ttgataacga tattntagtt aaaaaggact attttataat 360
agtaatcggg gttattaaaa atagttaact ctcatcttct ctgtagatgc gggtttaatt 420
ctcct 425

<210> 6577
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6577

gacaagtggc ctcagatata ttaagaagnn nggggnnggt gtcttnnncc tttggccncc 60
ctccttatct tcgccccctt tacacctact gtgccgtgat ttaaccaatg ctgctattgt 120
aatgttgcca ccactcttaa cctctcttat tgataccttc ctcagagggg ggtagcacg 180
tgcccatctc aacctccctt tctattaata gccctcttca cttctcttcc tcatatcgaa 240
tactccttcc gtaactgggt ctactcaagt ctccaacatt ttctaaaacc ttgtaccaa 300
ttctttctca ccggcttgct ctgcacataa tttattttct actaatgtct tcgtaccct 360
tctcctcaat gtcacttttc tttcccttaa ctattctgtc tctcatagac gcacccttg 420
gtcttactca tacgccccg 439

<210> 6578
<211> 371
<212> DNA
<213> Glycine max

<400> 6578

agcgtctcgt tgtcgaagtt cgagcgtctc gatatatcat gcgctttaa cggacctgcg 60
agatgagagc tatgaccatt tgaatttctc gaaagcttgc ggcgttgaag ttcaagcgtc 120
tcgatataatt atgcagcgtg aatcggatgt acgcagggag aagtggggac catatggatt 180
tttagagtgc ttccgttggt caatatacga cggctcgaga tattatgcgc ctgaatcgga 240
cctccgagat agaagtcata accatttgaa ttctcgaga tgtctcgttg ttcaatttag 300
agcgtctgga catattatgc acttgactcg gacctccgag tgaacagttt gaccatttga 360
atgctcaaga g 371

<210> 6579
 <211> 294
 <212> DNA
 <213> Glycine max

<400> 6579

agctttaact cggaggtccg attcaagcgc atatatatat cgagacgctc gaaattaacc 60
 aacggaagct ctcgagaaat tcacatggac ataactctta actcggaggt ccgattcatg 120
 cgcataatat atcgagacgc tcgaaattga acaacggaag ctctcgagaa attcaaatgg 180
 tcataacttt gcacacggag gtctgattca ggcgcataat atatcgagac gctcaaaatt 240
 taacaacgga agctctcgag aaataccaat ggtcataact tttcactggg atgt 294

<210> 6580
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6580

agcttaacat gtagagattg gaacacatca tcgatagtat cccaacaggt atgtgttcgg 60
 ttctgcaagt taaggaggat gaagtataac ttctcaatgg ttcttttgaa naattgcatt 120
 tgcaggtgca aganagaaaa gtactaccta tataagcatg aagtttagcc gcttcaagaa 180
 gctgggactt ggctttgata tgcttatgaa ggataggac acaggctagt aaaactatgt 240
 gtcgagcaag agtaatgcta taaactattg tgcagattat cttcatgtat tcattatgaa 300
 tagaaaggtt tcaatcctta gtgacaccct gatattcgaa tatttgaaac gtgtaatttg 360
 ctaagatgaa attcaatcgt cagcatattt catctatgca gtagtttggt gtatggtatg 420
 actt 424

<210> 6581
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6581

agctntaagc ataagcaaac tgtagtcgt cttatacagc taactgtggt atagaaaact 60

nttacaaaat gtacatat tccccaat atggttcttt ttgtaggatt gtaaataaat 120
 tttgctcttt cttatctggg ctacagtagac gccttggtga tggaattaat gtcaatttca 180
 ggcaaaaagg agttatcttg aagaagtgtt aaagttgatg tctcattaag cgagctcaat 240
 gcgcttagcg agtggttatcc gctaagttag gcatcagcgc gcttagcgaa taggaggaat 300
 ctggaaggga atatgtcacg caggcacgcg ctacagcgcg cattagctcg ctacagcaggt 360
 cgtttgtcac cttccaggct tagcacgagt ttggcattga gcgaaaatca cttactca 418

<210> 6582
 <211> 229
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6582

atgaatccgt tgtacacagc gattacatca ganttctaata aatctattag ggatctactt 60
 taatgagaga tttgaatcct catatgggaa taatattgta gttgctgaat ctgcctacgg 120
 aatactgact accactatgt cttttctctt tcttttccat taagacatat gccacatcac 180
 ataaatctta gactagcttc gattctgata tattgcgacc atcacctac 229

<210> 6583
 <211> 317
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6583

agcttcacat gaagctacat catttactcc ctatcaaatg aatgaataaa acattctttt 60
 tattttctta gaaaatatat ttattttatt taccttaaaa ctattatttt aattaataaa 120
 actatttctt cttattttatt taattacaac aacatcatta ttttctaaaa ctctatttat 180
 tttaaaataa aattcttttt aatttatttt acaaaaaatg aggtgttaca aagtatattc 240
 tagaaagact tttatggggg taattttaca cctctccttg gttctcgact ccatttgtga 300
 ctctatgctc tctttct 317

<210> 6584
 <211> 439

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6584

agcttgtatg agtactgaga aagattcaag aaattgtgtg caagctgtcc tcaccaccag 60
 atttctaagc aactccttct tcaatattta tgtgtgggac ttagcaacat ggagaggagt 120
 atgattgatg ctgccagtgg tggagccctt ggagacatga cccctgctga agccagaaat 180
 ttaattgaga agatggcttc caactcctag caatttagtg ccagaagtga tgctattgtc 240
 attagaggag tgcataaagt agccacaaat tcatactcat cgggcgaaac taagaagctc 300
 gaaggtaaac tagatgcctt ggtaaacctg ntaacccaac tgaccatgaa taaaaaatct 360
 gcacctgcca ccagactctg tggttatgct cctctgctac caccacatct acctttgccc 420
 ttctgtgaac attctgaag 439

<210> 6585
 <211> 490
 <212> DNA
 <213> Glycine max
 <400> 6585

agtcacctgc ggcatgcaag cttcattcta cacctgaaaa agaggatgag atagttgcac 60
 aaaggagaaa gcttcctaac aaaaattttc atgcaggtgg accttcttct agtaattcta 120
 acttaccgca gcctcctatc cctcttccat tcccacctag agcaattcta gacaaaaaaaa 180
 tggaagaagt ggaaaaggag atcttggaga ccttcaggaa agtagagggtg aacatacctc 240
 tgctagatgc catcaagaag attctaagat gtgccaagtt tctaaaggag ttgtgcaccc 300
 acaaaaggaa gctcaagggc aatgaaagga ttagcatggg cagaaacgtg tcagcattga 360
 taggtaaadc tgctcctcac attcttgaga aatgtaagga cccaggtact ttctgtatac 420
 cttgcattat tgggaacagt aaatttgaga atgccatgct agatctagga gcatcagtta 480
 gtgtcatgcc 490

<210> 6586
 <211> 479
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 6586

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ccaagtatga agtcttttct aactagatga ttgagatgat gcatgtgtat gtgtgtagtc 120
ctatgatgtc acaaccaaga atcatctatc ttaattatca gacaactcat ctcatgagat 180
gatgaatgct caatgtttta catattgata ttacctatc tcttgccaat atggacaacc 240
tcaccggaca tagcttcact aataagacaa cgattcttac tgaattcaat tttgaagcct 300
tagtcacata gttgactaat gctcaggaag ttatgcttta gtccatccac atagaacatt 360
ctttatctgc gttgtgacta atttccaata tttccttctc ccattatctt tactttattg 420
gtgtctcttg tcacaaccta cccttcggcg ggagggcgac gcgagactca cgtgtgcat 479

<210> 6587
<211> 391
<212> DNA
<213> Glycine max

<400> 6587

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aatttatttc agatcaagat atcaagacaa acaaaatcta ctaaaatgtt caaaacgtag 120
ctaccataaa agcgctaaac caaaaccact gttaaaccac aaaccaacat aataaataaa 180
agttgtctga aaagaggag aattaaatga aatcctggtc aatcatcaat cttgtgctgg 240
tgtggggccat gggtcctaaa gccctgtgt tgcggtgaca tctactacat aattagtgtc 300
catgcctgcc ttcgctgcac ctgtgtcttc ttcaacctct tgtgtctggat actgagtctc 360
tggagtgtcc tcagcatcct gagcctgtgc a 391

<210> 6588
<211> 426
<212> DNA
<213> Glycine max

<400> 6588

agcttatcca aacatgtcct aagtgtaaat aatatgctca gggaggtagg tcaagaacga 60
gctattcttc atggagggtga aatgtatttt accctacatc ataacagaga atcagtatcg 120
cagaatgtaa gcaagtattg aaaactcaca ttcccattac taacttctag agtgctggca 180

agtagtagag tgcgagaagt gagattcttt tgttgagccg ccgagccgac gtgatgatgt 360
 tgggtattatt ttgggagaga gttgtgttat gttaatcaac tcctacatag ctagttccat 420
 aattattttg ttgaatcgag gaagtaaatac acacatttaa ttataagtat gaacaaattt 480
 actttacact atgtgaatga tgtgtgcgga gttactatac caagatatat atatatatat 540
 atatatatat atatatatat atatatatat atatatatat atatagatac atatatatgt 600
 atatttacat atcn 614

<210> 6591
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6591

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 aaacaaacaa atcaaacgta tcaagacaag tatatgtgct gtttgaatac ctcacccgct 120
 caagtgtatc acacactgat ggcttttctt taatgaaaca ctctttcatt ttaccactct 180
 aattcccctc gagttcttag gcaatacaag agattatggt cacaccaaag aacaattcac 240
 caatatgtgt aagggttggc tagagagaca aggaaaagg taaccaagaa aaggctaaca 300
 atgtgtttat gcacaaatga atgaaataaa attcacaagt tatgaattca agtaacaatc 360
 ctccatgcaa ccattatatt accttataga gatttttgnr aaagtttttc aagcatgaac 420
 ca 422

<210> 6592
 <211> 469
 <212> DNA
 <213> Glycine max
 <400> 6592

agcttagaca tgactataat ttactggcat ggtatgcata tggcctctga ggcattgtact 60
 ggacctggca tagataactt ccggctgcta aaatagcatt aggaatgaga gtgattgttt 120
 ctaatactct gatatgttga atcttaacct gcattctatt gaagttaaca agcacaagtt 180
 ctctttgaac agtgctgggc tgttctagaa atgcaaattgg gaaatatcag gagagcaaaa 240

66101-30124

gagttgtttg atgctgccac ggttgctgat aagaggcatg ttgctgcttg gcatggatgg 300
gcaaactctag aattaaagca aggaaatcta aagaaggcaa ggattctact tggtaaaggt 360
cttcaatatt gtggacagaa tgagtacata taccaaacac ttgcacggct tgaagctaga 420
gcacatacat atcagcatgc tcgatactta ttcaatcagg ccactaagt 469

<210> 6593
<211> 264
<212> DNA
<213> Glycine max

<400> 6593

gatctcaagt cacctgagca tgcaagcttt agtcgtgtgt gggtaatttg atcactctct 60
cactcttggt ctgaactatg tatatgtgct aataacaagg ctatgagcgg ctgagacaaa 120
aaatctccgc aactgtctat actccttcag ccatgacgct ctggatgtac atcaatcggc 180
atcatcttta catgaacttg caaaaatcta gtgccgtatc agactcacia tcattcagat 240
gtacaatatc ttattattac cacg 264

<210> 6594
<211> 244
<212> DNA
<213> Glycine max

<400> 6594

agcttgtagg ccttgatct tottcatcaa tggagtcctt tgcttcttga agatcaatga 60
caatggaatg gagaaggagg aaagggtgatt ggagactcca cttcaaggag aagataagtt 120
gagaacaagc tcaccaccat aggaagccat ggataagagc ttgaaggtaa gagaagatga 180
gtagagggag agaagaggga gaatgaggtc ttaactttga agtctaattt ctcaaactcat 240
caaa 244

<210> 6595
<211> 279
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6595

agcintacac caaacttgaa acaatccagt attctttgtc ctagtggctc taaacaaatc 60

<210> 6599
 <211> 342
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6599

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 ctttacagaa tttctttntg aatacactta agcaaactca taaatagtca taaactcaga 120
 agacttatga tttatgttta gaaggtttgc cataattaaa acaccaagga atttggggtc 180
 aacaaaaacc tcttgtgcc a tagcttagaa tcaagctcag tcttactaca ttgcactcat 240
 gttcagaaat taaattccaa ttaacaagaa aagttatattt tttaaacaac aagcaataac 300
 cactttgcat catttgaccc acacttaata ggttctgatc aa 342

<210> 6600
 <211> 324
 <212> DNA
 <213> Glycine max
 <400> 6600

agctttatat tttcttacgt gtaggtgact tctcatcatg aaatttatat gtgcaaaggt 60
 tattagataa ttgaattgac taaaatcatt tgaagaaatt gattgaagct ttattcacat 120
 tgtaattagg aaattcttta atgtctgaga ctctggtgaa atatgttttag gatataggta 180
 tacatgtttt tcatgcaa at caatataagt atataatttt tgattcgtta tatacatatc 240
 atatttatatt aatgatattg ttgatattat tggattata tatatatata tatatatata 300
 tatatatata tatatatgta tata 324

<210> 6601
 <211> 326
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6601

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agagtgggtac ctggagatat gtcgcggtgg tcaggagacc ttgnggacgt caggtggggt 120
gctattgccc aaaaccatgc ttgatcaatc cgggccaac ccaggcataa tcagtcagtg 180
agaacctgtg acgtacctaa acaggcgagc tactggcagt caaccaataa aagaacaaag 240
accacaaagc aaggaggctt gtgtggtggc tggccagcta tggatcttaa gtggtatctg 300
gaatttgacc tctggtaatc attacc 326

<210> 6602
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6602

agctntagga gaaaccatta naactaaggt agttcctaaa caaaaatcaa ttgaggaagc 60
ttcgccgagt gtccccattg aaaaaccttt attcaaacct ttcaaagtta gtgataaggc 120
taaacgaaaa attaggaac ttagaaaaac taaatcctta attgaaggcg taggtgacaa 180
tcatagcgaa ttactaaaca agattagtag tttgcttaag gtcattccag atactcccca 240
agcttcggaa aatacttcca aaatggtaac aagaagtacc tncaaattaa ttaatgttat 300
taatgaagat agtgaccaa acttagataa cacaactgag ataggatcag tgtcagaaaa 360
gaatataaat ccattaaact ccaaacactg gaaagacccc tccaaattat attatcaacg 420
tncaactggc cc 432

<210> 6603
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6603

agcttctccc tatttntgct ataaataggg gatgaagtga agaagaaaag ggttcagccc 60
cttagacact tctctctctc tcgaaatagc tgaggaaaat tagttccgtg aagaaaatcc 120
aagccgaggc cgcttcgtaa cgttttcgtg agtaattacg cgaagattct cgaccgttct 180
tcaaggattc atcgntcggt cttcggtttc ttcagtcttc aatgggtaag tacctcaaac 240
caatcttttt aattcattct atgtacccgt ggtgggtccac atcttgtttc atgtattttt 300

attctcgtt tcatttactt tntatacccc ctnttggcgt gcttaagcca tttatctaag 360
tcatttctca cttaatctaa agataaaat 389

<210> 6604
<211> 402
<212> DNA
<213> Glycine max

<400> 6604

agcttcacat ggagctatat caaagaagaa gtctatatca ccacatgatt caaaaagaga 60
cctcatatgt aagttactca tttataccaa tttaatgatg atcatgagga ccaaaacatt 120
tcattcacia gattagtagg ctactcaaaa gtaggttatt gaagtgtgtt taaatgactc 180
gtgttcacia gaaaaatata agtagggaag accttaattt accatacaat ttgagaaggg 240
gaacaacttg tagaaaacat tatctgacia gagattcata caaatttgga tcagtaaaga 300
ataaccctat cacctatcat ataccctttt ggcacaatca actcattacc cttctataga 360
tagcacgatc atgagaaaatt ctcaggataa gggatagtct at 402

<210> 6605
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6605

agctcgngaa catgtgtgtt taggtagaac atttatgaac taaaacccta aatgtgaccc 60
anacattaaa tcaattttta attgatttaa attaaaatca aaattaaaaa tttccctatt 120
gtcaatgaat aacaaactaa aattaaaaat aacaacgcat ttgttaagta tgactctgtc 180
acatcatcaa aatgtataga tggcaagaaa aacattggca tgagctacgc acgtgatcag 240
acaagtagaa acttaacggt gcaagtgata gtaaggatga aaacaatgga cggaatacaa 300
gtttggggat gttgatgagt ctccatcaag ttttaaggacc aacaccaaaa atgttgaaca 360
gatagaggac taaacaaata attattccta ataataacaa cacaagtctc gatcctttta 420
cataacatat cttaccttaa acatatcttt tcacct 456

<210> 6606
<211> 498

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6606

atggatcnnn gnnattagac atgagccctg acncntggaa anccccgtac ttaagtgagc 60
cgagctgcaa gctttaatat gttattcatt cagcggacta tctaatgaat tagacacata 120
gagaccatta ctacatatcc tatggcactg gaaaacagat gtcacctttc attctgcgtc 180
actgggcccct ctactgcag tataatggct tagaccacca atatccaagc acgtatctca 240
cagcattttc aataacattt tggaactaca agccactcat atgattctaa caaagccgtt 300
atcgttatca cacagtgcac gaacttgctt attgctgtaa gcttatggaa tatattattt 360
ggattcttct cgtatcaact tttggacgga gacctatctt acatgaatga atgttataca 420
cgtgaagtga cccaccattt ttgatacgta gatgttgagt gataagcaga cacactacaa 480
atatcattaa catatgcg 498

<210> 6607
<211> 205
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6607

agctttntcc aagttaataa aaaccatatg taagtctctn tctttgcttt ggtaactatc 60
catcaatccc tgttaaagat aaatgacttc tgttgtagac tttcttggtg taaaccaa 120
tgattctttg caattcttat ttcttatcta tgaccaatca cttgttctca taatttcata 180
gtgtggtaat taacgttgaa agtga 205

<210> 6608
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6608

agcttgatgg tggtgagaag aaatcacatg tttgtcatca tcaaaaaggg ggagaatgtg 60
aatgtatgta tacatgattn tgatgatgtc aaaagaagaa tcaacaagg ctcattntgt 120

ttaaagatta atacaagatt gtttcaacaa acaaagcctt gattcaagat ttcttcaaga 180
tcaagccttg cctcacaatg aaagggttca agtcattcaa ggcacatgta atcgattacc 240
aatacatgta atcgattact aatgggttga aagtgtgtaa tcaattacac atcatatgta 300
atcgattacc agagacaatg aacgttggga attcaaatnt taaatgaagg ttcacaattg 360
ttcaagaaaa acaactgtgt aatcgattac actaattctg taatcgatta ctagagagga 420
ttttcaagga atatcgccaa cagtcacatc ttatcatttg gat 463

<210> 6609
<211> 478
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6609

gcatgcaagc tntctgctca tagaacanna tttnttcttc ctctcttaat tctccaacat 60
ctgaattcaa tttctcaaaa gtgtgcctaa attctctctt cagggcactg taagagtgtc 120
tcagcctctc ttttaagctcc ccttgcttcc tactgttgta ttttggcata gaccaaactc 180
gtccagtaac aacttcctct tctcttttca ctttgtattg gccaaagtagc ccaactcaatt 240
ggccatcata tgagcatttt tgctcccacg catcagcaat aaaatcagca gatcctggaa 300
cttcaagatc tttatcatatc ggtatatcgc cagtcacaaa gttcaaatag ggagcatcaa 360
tatcttcac ataagcatct ttgatacgcc ggtaaagtct acccaggaat ttcttcgacc 420
tgtaagactg gtgccgctct ttccccatga natcagggtta caattttggt ttcagatg 478

<210> 6610
<211> 430
<212> DNA
<213> Glycine max
<400> 6610

agcttgata ttctgtttgt ggtaggctgg aactatagtt cttacacaac catggcatga 60
tttgactgc agaatagatg gacctgctgc atatgatgtt cttattaatt ttgagcagcg 120
atggagaaaa gcaactaagt ggaaagagtt tgcgatcctt ttcaaaaaata tcctctcaat 180
ggcatggcga tgctttaata agaatagaac gcatctgaaa ggataaattg gattattata 240
ctactctagg ggatgaccct gtagtatggg tttctagtga agctgatcct gataatagca 300

<213> Glycine max

<223> unsure at all n locations

<400> 6613

agcttaggtt ntaggagagc attcatccat agataaacct tcactttttc attcattcac 60

atcccatact ttcttttttag ttagacagtc agcttaattt cattattttg cagcatacac 120

acttactaat ttcatattgta cttacaattt cttttaaaaca caatatatac agagatatca 180

tgtgtatgta cataaataat gtgtgtatgc tatttacttt gaccatttgc attcttacct 240

agtgcctccc ccaaatttgg aacaaattta ccttgataat tactccccta naattgggac 300

aaatatgttt tgaatcgcg cttcttggtga tgatgctctc ctacaaccta agtcaaggta 360

gcaggagata acattggata ggctcaaggg tcaatcaatc aataattcat tcaatcaata 420

attcattcaa ctcanatggg gtgcaaggga taattcattc aag 463

<210> 6614

<211> 518

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6614

cggattagcc ttgagntctg acnncttcga aaatccccca gangcggnag gatgaagctt 60

nttaataatc tttcatttgt ttgtttatcc aagcccataa cattgtgact tatacttgat 120

atcatatatt ggcttatctt cttttcttcat actgtatatt cctcctatct ctatattcat 180

atatatatat atatatatat atatatatat acatatatat atatatatat atatatatct 240

atataaaccc tatttcggga aacaaaagat tgttcaaadc acaagactat aattgggtgaa 300

gatgctactc cagcttatct atagaatcta aacctagata tatactggca actgatgccc 360

atatctttca catacaatat ttactaaaaa aagtaaaaaa ttagtggaga tgtggattat 420

taacactggt gcctcttcga attacagacg atatagatct gactctatag gcgcccatta 480

tcccaccttt atatatatat agtttgtgaa aaaggacn 518

<210> 6615

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 6615

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gcacacagaa ccacacatgc aatagacaaa gaanaacaga gaaaataatt aaaaagatgc 120
tatggcaata ttgcatgact ttgtatacaa ggcagatcag aaaattatgt agtttgaaca 180
agtataccaa tattggcctt catagagtca tagtacaatt atgttgctct tggcctttgg 240
gtatacaaca acttgatgaa agagaaacga aagaccattc cttcactaca tcgatcttct 300
caacttgttt ttattcatgc atgagttatg caattcctgt gaacattaag ttagagaata 360
ctgttattac atacatacat aaatacatag ctttgaatct ttcaaggaaa atttagtaaa 420
aagcataaca ccctaattt 439

<210> 6616
<211> 431
<212> DNA
<213> Glycine max

<400> 6616
agctatgata aatcaagggtg aatggacctc gttcattgac atattagcat tgggtggtgct 60
tgggaccata ctatacacia atgtagacgg gctagtggac ttagcagcga tcgaagcctt 120
tcttgcttga tcatcacaag caattgaaag ccagatcatc actatttttag ccgatgcata 180
tgatacgttc gacctgagat gcgagaagaa cagtgcacga attgtctgtt gcatgcctgc 240
tctctatgag tgggtgcact accacgttga tcgttacgaa cgtaggcctg tgacacatat 300
gtatggaatc gcgctgcgcg cggtatgaggc tctcctacaa cctaagacac ggtagcatga 360
gattacattg catacgtcga cgggtcactc aatcaataat tcatccaatc aataattcat 420
tcaactcaaa t 431

<210> 6617
<211> 131
<212> DNA
<213> Glycine max

<400> 6617
agcttgcatt atctatagtg actgctaaaa ctcttgctgc tgatcatggcc gtaagcgtgt 60
cctgtatgac aatggctgcc gcttactatt gcacacaact tacgagacgc gaacgtaatg 120

tggaagact g

131

<210> 6618
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6618

tcttaagtca cctgcangct gcagctntat agaactcctt taaaaaatca cttcggaatt 60
taagtttgat tatgcacacc atgctgataa aattntatct aaaacaagtt catcagttta 120
tcttaaaaaa attaataatc aatgtaccgt tgaaaataga aacaattatc aaaagtctat 180
tttttctaatt ttggtgggta tggtaaacaat aacactcatg attgaaaatt agatagatga 240
aaacatcatt ccatcatatt aatgggtgcag gtatatcaaa tgttacacca attagaaagc 300
attatgaata tgattagtaa atgtgtgatt atacatttaa attatttttt aacatcacia 360
gtgactgctt cagaaatcag aattgatgat antttactag aaaacaaaaa ggaacttgag 420
acattattaa taactatcca gtgttattac aaaagcatat atgttattat caatcaatta 480
cc 482

<210> 6619
<211> 462
<212> DNA
<213> Glycine max

<400> 6619

gcaagctttc tttctcaatc aatttgtcta ctgactaaca attctaattg caagttcaca 60
ttcttggtct ttctttgtct agcatgcata tttgttcaaa ctcatgaaaa gaaacacaaa 120
ctccatcaaa atcatgcact caattcaaaa tacagacata caccattttt cataaaaaaga 180
taaaagtgtt tccctgccat gtcataaaaa aacaagtcaa actgttcaaa atgcttttagg 240
atgagcaaac taattaccca taaataagat agcagtatat gtagacataa agaaaatact 300
gtacgaaaac caaaaattat aataataaat caagaagcaa aaagtatcat caagaatcaa 360
aattcctgtg actagtcttg tatatcctat gtttgaccat cctcctcatc tgtttagctga 420
agaactggag taatgggagg agaagtgtcc acagcaagga ct 462

<210> 6620
 <211> 448
 <212> DNA
 <213> Glycine max

<400> 6620

agcttgttct gaactatagc tatcgaatgg ccaacatata ttgagatgct atgagcatgt 60
 cgactacata gagtagtata tagatgtggg aaccatcctc caccttacta tgataaacac 120
 atgagtcaca gggactttcg atgtcccatg agagacaatg aaatcattaa atctcttgta 180
 ccactgcctt agtgagtgtc tcaaccata aagagatctc tttaatctac agacataatt 240
 ttcttttctt ttcacttaaa aaccttcagg ttgtagcatt agaatgtctt cctctagtct 300
 tccatggaga gaggcagtta tgacatcgag ttgctetaac tccaagtcct tagttgccac 360
 tagggccagc agaacacgta tgaagggtgtg ttgactacca gatgtgcttt ataacatacg 420
 tgctgtataa aagatgactt cttcagtc 448

<210> 6621
 <211> 151
 <212> DNA
 <213> Glycine max

<400> 6621

gagctctcat agctcaatta cgagtgtatc gatatgtgag gctccatgat cggacctgcg 60
 aaagaaaagt tatgaccatt agagtctctc gagagctaac ttggttcaat tccgtgcgtc 120
 gagagataag acgcgcctgt ctcggtcctt c 151

<210> 6622
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6622

caagcttgct gggggctcag caaatcttag tttcagagtc aatagattgt atatgcacat 60
 tctgcctcta aagcgacaaa accacatagc agagcctata acctatgcta tatactggct 120
 acacaacttt gcattttcaa atgattaatt catgtcatca acatttcggt gcttatgctt 180
 atgaaggggt gttactgtga ctttgagttg gtggattcga attttaaaca atcgatagcc 240

atgtctttct tttcactttc cactctccag aaccaacatg ttcattgaaa aggacttggt 300
 tcatgtgcag ccaagactgt ctccagctct ntaattatcc aatattcaac ttcttttagct 360
 agttctttct aattattttc ttccttcact ttctgtttct tcttttgatt ntcttggtg 420
 gtaattaagg atgaagagca gaagagaata tatctcattt acaagagcaa acacata 477

<210> 6623
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6623

agctngtatt attcatcttt ttcattccct tctccctttg ccaaaaagaa ttcgccaagg 60
 actaaccgcc tgaattcttt ttgtgtctct cttctccctt ttccaaaaga acgaaggact 120
 aaccggctga attcttttgt gtctcccttc tcccttgta aagaattcag aacgatacag 180
 tctgagaatt cttttgatta ttccattcc cttatacaaa agtggtcaaa ggactaacca 240
 cctgagaatt cttttgtatc cccattcacg aagtatcaaa ggtttaaagc gctgagatct 300
 ttgtcataac acattggaag ggacatcctt tgtgggtcaa gaaagagaca tctacttggt 360
 ttgactgaga acaaagaggg acatctcttg gtgatagatc tagtggaggg acatccact 419

<210> 6624
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6624

agctttggct ctcaagaaga gatcaaccaa aggatggagt attaaatatg gatctcatat 60
 gatccataat tccaagtctg atgtgggagg agntatgaag gtccatcatc atgacatgcc 120
 tgtcatgttc ttgggttcatt atacagacat acacccatga tcctagagag attagagtgt 180
 ttcctgtca tgtcataaac aagcaaata ttctgtgcat agagctctac gatgaacaaa 240
 ctaattacc attaataaca tctcattcta tgtagacatc tagagaatac ttgtcgaata 300
 ccaacactta taatcttaaa tcacgacgct atttgatca tcacgattca aacttcctgc 360
 gactagtccc gcatatccta tg 382

<210> 6625
 <211> 468
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6625

agctntctta atatcttata atagtgtgga tgtacatgtc catatnttgt gaaagtagca 60
 tgaatggaac gatgtgccta tcaaactaga gtgtcaaata tgccatttaa tgagtgatga 120
 gtcacctctt cttttcttcc ttgggatgtg cttattaatt aacactatgt ctaatgtata 180
 ttatattgga ggcatatcaa atcatatgac atctcaagaa atgagaaaaat ttaatcttat 240
 catgtgcaag attgaatggt attcgtcaaa ataattctctt ctcaattttt catatgtgtg 300
 tgtgagtgtg gaaagtatat caaataagag cttaatagga gctaataattt atcatataga 360
 aaaagtgaag ttaagattag atntaagtaa accaatttta attatccatg taagaatgca 420
 tgactaacat taactcctgt cacactagct agatatgtct cacatgta 468

<210> 6626
 <211> 109
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6626

tgcttgntca tatcgagatg gtgagtggtc attctcattt gagtgtgatg gtgcaacata 60
 tttgtttgcc ctagctggaa ctccagtgtc tcacagctgt taatgatct 109

<210> 6627
 <211> 508
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6627

gcccagcgtt tggccttgag cgtganacgt gaactcaagc gacgagcatg agcttatctg 60
 ccctactatt ccctgtatgc cttgttctgt aatacacgat aggcctacag gacaagccaa 120
 ggtctaattg attagccatg gtgaattttg aatcctggaa tgtccctcct ttcttgaacc 180

aactcgtacg acatggcaca ccacaatcca atccacatat tcggggaccga tctaaataat 240
taaaaaaac aattatatat tttcaccaga ccaatagttt attaactttt atgaaacata 300
taatttcata atagcaaaaa ttttcacaaa ttgttaattg tcacaagaat aagactagat 360
aacattaata tcaatttggt tctcttttaa aaggttatct tctataactt ctcatatgct 420
ttcttttttt aacaaaagct atttcttaca agactattta atttttttat ggaaacanga 480
agacctaatt atttaatata tgtaagct 508

<210> 6628
<211> 422
<212> DNA
<213> Glycine max

<400> 6628

gcctccaaca ttgggatcgc agggcattct gactacctag aggctacgtg tatccacata 60
agacgtttta taatgactat gcgaagtcga aatacaagaa taagacataa caaacagtaa 120
cggataccag ctaatggatg aagcctgagt aatacaattg taccaacacc caacgaggat 180
gatcggcggc ttatcgattc acatggatcg acgtggaggg acaagttgag ggagggttct 240
atttaagggg ggcgtaaaga actgaataga attatgatga tgcaaagtgt cattttttaga 300
aatcgacggg gacggcgatt tcgatgagga ctactaaag tgacttaaac aaggcaactg 360
ggccccctat tatgattacg gatagatgct gtctgggccc ccgaattttc atgggcaccc 420
cc 422

<210> 6629
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6629

agcttcatgg tgaatcaaag gtgattcaat ggtgttttga tgataacaat gatgataaca 60
aaagatgatg acaaagggtga cgacaaaaag ctcaaagatc aatcaaagaa caactcaagt 120
gaatcaagaa caattcaaga gttcaagata agaatcaaga agaattcaag actcaagaag 180
aaagttttaga ttcaagaatc aagattcaag gttcaagatc tcaagaatca agatcaagat 240
tcaagactca agattcaaga atcaagagaa ggcttaacca agataagtat gaaaagtttt 300

tctcanaaat tgagtagcac atgattnttc tcanaacatg tttaccaaag agttnttact 360
 ctcaggtaat cgattaccag attggtggta ntcgatacca atagcaaaaa tggggttgaa 420
 aagttntcaa aatggaatta caacgttcca attaatttca 460

<210> 6630
 <211> 491
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6630

atcttaagca cctgagctgc agctatgctg aaacattaca atagacctct tcaacctcaa 60
 cagcaaaata agccacaaca gaacaagtat gacctctcca gcaacaggta taatcccggg 120
 tggaggaatc atcccaacct tagatggctg agtccttcac aacaacaaca acaacaatag 180
 ccttattttc ataatgctgc tggcccaagc agaccatacg ttctccacc agtccagcag 240
 caacaacaac aacagcagca acagcaacag tccccaaaac aacaaacagt tgaggctcct 300
 ccacaacctt cccttgaaga acttgtgagg caaatgacta tgcaaaacat gcagtttcaa 360
 caagagacca gagcctacat tcagagctta actaatcaaa tgggacaatt ggctacacag 420
 ctaaataaac aacaatccca gaattctgac agattacctt ctcaatctgt ccagaatccc 480
 aanatatga g 491

<210> 6631
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 6631

agcttctggt gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60
 tcttctatct tcagattggg aatgcctcta acagcacctt tgtcaatgat attcttcatg 120
 cctcttaagt gcagatgtcc aaatctttga tgccatattt tgacttcac tcttttgag 180
 gatggacatg tggaggagta actggtttct tgagggtgcc ataggttagca gttgtccttt 240
 gatctgttgc ccttcattag aacttcattc ttctcatttg tcaccaagca ttctgacttt 300
 gtgaagtcta cattgaatcc ttcattcacac aactgactga tgctgatcaa gtttgctgtc 360

a

361

<210> 6632
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6632

tgcggcacgc aagcttgtga attctatctt tccttttatt ttgtagtggt ntaaatttaa 60
 tcattacgtg tatcatctaa tagtgtactg atatattatt taatatatta aatttataaa 120
 aaaatatttt aattttttat attttaaaaa ttttcatttt gatataattac gttttttaa 180
 ttttatttta gtatttttat attctaaaaa atttcatttt aatcttcttt tttcatctgt 240
 taaaaaaacc ggtgcggcat taatatttaa aattgtgaaa tatttaatta ttttaaccac 300
 tattttttta aattgattat ttacttata tttaatcctc cattgaaaat gtctacaatt 360
 cagctgaact gtttatgtta aatataatgt aactgaactg caacatgatt aaatagacaa 420
 ctattacata taaatcttca aa 442

<210> 6633
 <211> 469
 <212> DNA
 <213> Glycine max

<400> 6633

agcttggacg aataaggtga tgcattctagg aaacacaaca actaacaagt atgaaaattg 60
 taaatatata ttggtttttag ggtttacaca cgaatggata aaaataattg tttgtgtttt 120
 acaaatgcag ggtaagttt gcacattggg ccttaaagag actactaccg aatagccttg 180
 gagacctatg tagtgtttga gaagccatga acaatatgat cactctacaa catattgaaa 240
 ttaaggcatc gtttgagaca actacacatg tggttgggca tgtttttaaa gttaccttat 300
 acaagaaact atttggcatg gtatcaaggt atgtgttaaa ccagattgtt gctgagtttg 360
 agcatgtaaa ttatgctagc attgatagtt ctcatatag atatataatg agaactactc 420
 acggtctctc atgtgcacgt gagctagcta gatatgttct tggaacata 469

<210> 6634
 <211> 343

<212> DNA
<213> Glycine max

<400> 6634

agctttgagc aaattcaaac gacaataacg ttactcgga ttttcgattg tgtcccgtag 60
aatatcgca cgctcaaaat tgaaaataga agctctgagc aacttcaaac gacaataaat 120
ttttactcgg atctccgatt gtgtcccata atatatcgag acgctcgaaa ttgaaaacag 180
aagctctgag catattggaa cgaccttaac ttttttctcg gatgtacgat tgtgtccctt 240
agtatatcaa gacgctcgca tttgacttcg gaagctctta gcataactcaa acgacaatat 300
tctttacctc ggatgtccga tagagtctcg caatatatta aga 343

<210> 6635
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6635

agcttatcca aacacaataa attctacacc aactcatgtc cagtctatct agataaacgt 60
taggttttca acaattgtgt caagtttttc ctttcatgtg aatcacgtca gtcttaaatg 120
caataaaagt acatttcact tttgtcaaaa agcatatata atgtcaatgt aaattttattt 180
taatttcatt ttcataaatc tagatataaa caattttatc aatatttcct gtttttagcac 240
taactgtatt aaaacacata taaaataaat ttatcataat aacatttatt ctccaaactt 300
tagtaataaa cacagtagcc aaacaattaa aaaaaatacc aataagtata tttccaatga 360
tattnttttt aattcgctaa ggttgtgttc gtttaagaaa aaaagactaa aaaatgaana 420
ataaactata aaataatatg agatctatac 450

<210> 6636
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6636

agctattatg aagttaaaga aatctttgta agctttntac ttcttggtat atgtataacc 60
caatctagcc ttttcgatag cacatttttg ttgtgtaagt aaagcttcca aattatctct 120

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<400>	6637
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<210>	6638
<211>	609
<212>	DNA
<213>	Glycine max

gttcttgcgc	tatctccent	actacgtcng	nnctctcgent	nctntttgcc	gtanacaatg	60
tcaactcnnnn	nnntnnntnnn	nnntaggnnn	nnnngntgnn	nattgaatct	ttgagccctt	120
cgnatcnccg	agagaccacc	agagnggacc	cgaacgcatg	caagctaaag	agacgcatat	180
acganacact	tcctttcttca	ggtctgaaaa	taggaaagac	accgtaggtc	taacggttta	240
cacacacaca	tggattgaaa	ataatgattg	ggtttcacac	aagcatgacc	aaggtagggc	300

ataggggcat ataaagacta ctaccgaata gcctaggaca cctatgtatt gctagaaaac 360
 caagaacaaa tgaaccctct cgacataatg aaataaagta tcgtttgaga cactacacgt 420
 gaggctggca tgtttagaag taccttatac aaagagtaga cggatgggat agcgggagag 480
 tagtcccgat tgaacataac acgagtatgc ggtgactcta gggtagatgt gaatgttccc 540
 atacataaag aattctggcc ggactgacac gttgcaccct tccaaaggta ttctaggcca 600
 caaacttcc 609

<210> 6639
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 6639

gcttggccat attagactta ataatttgat tgttcgagta taacattaca aggaaatggt 60
 tttaaagaaa tcataacatt gatctggtag tacaacaaaaa ttagagattc aactttcttc 120
 actaataatt aacaactaag atttattgat aaaaaaatga tatattattc tagaagtatt 180
 catagatcaa tcaaatgtat tgataaaaaa catagatcaa tcaaatttta tgaagattgg 240
 aaaaactcaa tatggaaaag tgaaaaaaga aatatgtagt attaaacata tttattttaa 300
 agcatgtaag ccaagtctaa ttacattaat aaaaaattaa cataaaaaaa tgtatcccaa 360
 acattcagtt tggaaaat 378

<210> 6640
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 6640

agcttgtttg aaggatagat tctcattata caaatcttgc aggaactagc tcagcaaagg 60
 ccaattatga gtgtaaagca gttcattgag aagggtggcct ggcttgagc cgcaccttct 120
 tttgtggggg ataatgaaaa tctacattc tacctacgct tctagcagca tccatacatc 180
 acaaggaaaa cttactttga tgcagctacc cagttcaaga agacttggtc ttttctttta 240
 tcaaatatca tcttttgctc tttctttcac atactccttt cgaatttcca ctatcttate 300
 ctacatgccca cttcagttct cctattacaa gattatctgc tatataccac atcttgcgct 360

tcatcatggt tctcattgca agcacgtagt agctaatac

398

<210> 6641
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6641

agcttacatc aaggaattga tggactctn tgatgatata tcatctcacc atattcctag 60
agaggaaaac caagtgggtt atgctcttgc cactctgtca tcatgtttca aaataggccc 120
tcacatagac ttttcgtgca tagacatcaa atgccatatt aagcctgtac actggttgtt 180
gatagaagaa gatgaggatg gtaacccttg gtatttcgat atcaaaacat acatcaagga 240
caaggaatac tcgtccgagg cctctgacaa tgacaagagg acattacaga ggttggcagc 300
cagtttcttc ctgagtggcg atgccctata taaaagacac catgatatg 349

<210> 6642
<211> 298
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6642

agctagannt tgtgagttga tttagcctta atttcacttt attattatca gtcattttaa 60
aggaactttc aaagtaaaat gtccgattgg ggttttttta ttattttatt attatattat 120
tattttcaga tattttgatt attttattat tatttttgct ttttttattt aaccgagggtt 180
acgacatgaa tgatcagttg gattntattt taaggcggat taaacgagat tacgacacat 240
acgatcgatt gatattcctt taaacatcga ttaagtgaat ttactgctta tacgatct 298

<210> 6643
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6643

agctntataa gtgcgggttc gggagacaaa ggtcaagcgt tcgcgatatg cgaagatgat 60
attccgagta ctttggtttt ggtacgacca tgctctcctg atttccagct gggaaattgg 120

cgagtggagg aacgccccgg catttacgca acaagcataa tgtaaaccctt tacggtttta 180
aaagctctat agttgggcct aggctttaga gttttcattt tgtaaaggct ttgtgtcttt 240
tgtttttgaa ttataaata caaggatctt tcttcatctg ttcttgggct ctaccattc 300
tcattcattt gcatgtttac ttctttntct aaaacgacag attcgatgac gagtcctccg 360
aaggcactaa tacct 375

<210> 6644
<211> 364
<212> DNA
<213> Glycine max

<400> 6644

agcttatgca ggcagagttc gagatgagta tgattggaac attgatgcct tacttggact 60
ttaaatacaag caaagcagat gaaggaatat acatacatca aaccacgtat gtgatggaac 120
tgctcatgaa gttcgagatg gacaatacaa tgtcaatgaa gacctctact catccaacca 180
ttgtgcttgg attggacaat gtgtctaagc aggtgagtga aactgcatat ccaggaatga 240
taagatctct tcgatatcta tctacttcca gaactaacat tatgtctatc gtatgagagg 300
caacctaact gctccatggc atttgataga agactccaag acgattatgc catagatgca 360
tgag 364

<210> 6645
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6645

agcttggcct taaaaagttc accttaagat ccgtaacaac ttcaaagcac ctcataattg 60
cctttaatgt gaggacgttc attaaagttg gttttcctag gaagagggta tcatccgcaa 120
attgaaggat agataaagaa aagtccccctt ctcttaaggg aataccttca aaaaagatat 180
tgtttcaccg cttctcacat caagtcacca agaccctctg ccaccatgat gaaaaagaag 240
agggtatgg aatccccctg gtagagacct cttttaccct taaattcttc cgtaggactt 300
ccatttatca aaatagactt ataagtgaat ttcacgcaac atctaacca cttaatccat 360

attncactaa agttttattct attcataata tagttaaaaa aacgtcacct agtgggcgct 420
tctcacctaa tccactctca ataagatgtc ctgactatct tcatacactc tatcaa 476

<210> 6646
<211> 302
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6646

taataacact ggagtcgaga ggaactcatt taacttgtct gcctctatcc tgaccaaagt 60
gcctcttatt ctagcacatt taggagcttg atttgcagga ctatagaaat tggcatagac 120
atctntaacc actggcacat cgatgctaatt ttctgaaag tggcaacgca tttgagaaca 180
cttcgcctct acaattctac tttaaactca tcaaactcag aatcgataag tttcacattc 240
ctttccggaa ggatccttcg gtctagaata ttatcgatat atcggtcca ggctttctct 300
ga 302

<210> 6647
<211> 257
<212> DNA
<213> Glycine max

<400> 6647

agcttcctcg aatagtcaat gcaggctctc tagatgtgga tagtggtgga gtcgtcattg 60
gagaagtcaa ggcaaaagag gtagatctag gtggagtgga tttcagattt ggagaaagaa 120
acatcaccac cgttggcaag gcaaaactcca cctttgccgc gagatacgac gttggcgagg 180
cataggtgaa cggagtcttt agtcgcaacg acgcctttaa caatgagaag aagttgttgt 240
cactatcggt ggacaag 257

<210> 6648
<211> 333
<212> DNA
<213> Glycine max

<400> 6648

aagcttaaca aaatcccttt aatcctcaga ctagtctcc aagagcaaga gagaagatgg 60
agttctttcc cctttgttag taaaaaatga cgcacacccc tagaaattct agggttgtgt 120

tgccttatgc agtgggtctt aatctagctt aaattaaggc ccaattaggt taggtgtcct 180
tatcaaatg ctaatacctt caatcaaaag gtttttcccg ctggaatcta tgctcttgca 240
atgctttatg ggtagagtta tgggtctctt acaaaggtat caagctagta aggaacttgc 300
atctcaccta tgcattttta tttagagatg gac 333

<210> 6649
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6649

agcttatgcg catatttcct tacgaacgtt cacttgcaca agacattcta ttaactaaga 60
aaaatgcacc catatacaat caaggcagct tcgttaccta gattatttac atgtacttcc 120
aaggtgtatt tggtacttac atcacacaca tttcttttgc taaattcaca tacatgcata 180
ctctaagcac tntggctatc gaaaattgca tacgtgcaca tcctgggtatt tctaatacct 240
atacatcac aaactttatg ataaaccttg actatctaca caataagggtg ttacatttca 300
tgcttctttt tttcaagttt tttttttact acctanagcc gcatgcaaac tcaagtatat 360
nttcttttgc tcactaaaat tgtattaaaa aaaaaggtat cnttgtaatg gtattcatgc 420
aacatattta ta 432

<210> 6650
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6650

agcttagtgc acagtgactt tttgataaac ataacactgc agcatttgga ggatataaaa 60
cgaggcacta tgcnttttgg aggagggttg tgaaaggcat gctctgaagc aaaaacatcc 120
actttgggag cttttcttct gtcattatct ttcatttcct ctgtttcatc ttttggtttt 180
gagctnttca tgactatgag agactaaatt acccattgtt gggggctcgg ataccaaaca 240
ctctttgatg taatgatttt tactatccat ctaatgttat gtcaatatca ctgctccctt 300
tctaagaata tttccttggg tatgcgttga taactcatct acatgtatgt tataggcgctc 360

taatcattgg aaaatgcttt taacctaaaa acttg

395

<210> 6651
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6651

agctntaaat atataatctg gctttatggt aaaatttcat atttttcatc taatacatta 60
aaatatgcaa tatttgagaa caaaaaaaat gcaatatttt agtttatttt aacatagaca 120
ggttagttaa tagtttttct atatatatat atatcacaag acatgatgat aaatagttaa 180
cttctttaag ttattgtcat agtttaattt aatttttttt ggacgtaggc acgtagccat 240
agcttaattt ttttttttta cgcagtcata gtttaatttc tgagcatgtg aatgaagaga 300
atcttcttaa cagaaataaa atccacttaa gtaatctcat tatctcgaaa agaaattgtg 360
atgagatata tttagtgaag aaagttctac atactntaaa atgtttntgg taaactagtt 420
aagaaaccaa tagtgaatta gcatacacga attaaaaaa 459

<210> 6652
<211> 350
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6652

agctagtata atggctatac atgatacatg tcatggcttg gttnggatca agggtaaaag 60
ggatgccccca cattattttc atgacacaaa tgcagaaatg atgatttgga aactctatgc 120
aaaactggtc atgcatgcat ctatgcggac actcacatgt caaaatttta tggatcatgtg 180
atgctagggc tcacgattca tttcctctat atataaataa cccaatgttg ccaaaatatg 240
ttcttttatc aatgtgtgca ttcattccgag tccatttcgg gcgtccggga aatttacagc 300
attcactctt atgcgtagac acattttcca taaattgggt atgatcaatg 350

<210> 6653
<211> 207
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 6653

agctntgatc taattcaaac gacaataact ctttactcgg atgtctgata gagtcccgtg 60
 tataatctaga cgatcggaca tgcattctga agctctgagc taatatcaac gacaataacg 120
 tttagctctg atgctctgat cgagacctgg tatctaataga gacgctccca attgaattat 180
 gaagctcata gcttattcaa acgacaa 207

<210> 6654
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6654

agctngcttg tggagcttct atggaggctg gatctttgag cttcaatgag gtcctttaat 60
 ggtgattttc caccatggag atgcagcggg agacaaagga gaagaggtaa gaggcggcac 120
 catccactag ggaataagcc atggaagaag gagcttcacc accaagatga gccttggata 180
 agaagcttgg agaggatgct tcaatggagg aaaagaaaga gggagagaaa gagagagggg 240
 gggagcatga aattgaagga agaaaaatgg gagagaatgt gaactctgag ttgtgtctca 300
 caagactctc attcatcaaa gttacaacag gtgttacaca tgcttctatt tattgac 357

<210> 6655
 <211> 274
 <212> DNA
 <213> Glycine max

<400> 6655

agcttggatg atgactgcga tgatgaaaag gcatgtccca tgactcccat ccacatgggg 60
 gctgctaaca gcaataacag cattgaagag gttgaatctg atgacaatgt ctaagcaatg 120
 gaatctgatg aactgtttca agcaatggag tttgatgaca aagtccaagc aatggaatcc 180
 gatgacaatg tccaagcagc agaactctgat gacaatggcc atgctgtgga atatgatcaa 240
 ggaaactggc aattacgttt taatgggtgcc ccca 274

<210> 6656
 <211> 471

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6656

 agctngcatg aattcacatt ctcccccttc tcaagcaa at tcttcttgac atgatcaaga 60
 tcttcatgat ttacattctc ccccgttttg atgatgacaa ccacctgtag gttaggagca 120
 aaaacaaaga aaaatatctg aaattctgat accaatgcc a gatgtcgtac aggatgtcac 180
 gacatcacgc ttcagaacat gcagattata tttgagagta tgaacagatt aaacaggtaa 240
 ataacacaag agaattgtta acccagttcg gtgcaatgtc acctacatct gggggctacc 300
 aagccagggg ggaaatccac taaaatagtg ttagttcgaa gatctaacag ccaactgttta 360
 caaccttctc acctaacac taccctgca atctctacct aagagccact cttagatatg 420
 agaaccctc tcactccctc tcaatcactc ttccgtgttt acaaataaat c 471

<210> 6657
 <211> 417
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6657

 agctntacag cccagacacc tcaacagggtg agaccgacg aggctactcc tcttgagccc 60
 acacctgcac aggtcgaacc agtgccaact aatccaccat ctccagtggc ggatccatct 120
 tcttccaagc ttgaagcagc tccctcatct tcacctatta ttattatctc tgaagactct 180
 atagagtcag catctggatg agctactact ccttctgcta cccctgtttt ccatctaaca 240
 gatgaggagg atacacagga ccagtcacag gaattctaaa ttcttgattt ttcctttctg 300
 gaaattatta taactactat ggtttagtac attttttttt gtgattttgg tttataatta 360
 taattatata cttgcgtttt tcttgccaat acttagagtg catgctttga agcatatc 417

<210> 6658
 <211> 364
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6658

agcttgcaaa gatattntat gggccctacc aaatcgtgga acacatgggc aaaactgctt 60
 acaaactcca ngttgtgaaa gatgctcgca ttcattccagt tttccactgc tcattactta 120
 agccctntca tcaactccacc atagagccca tcacccattt acctctgcct gtcaattgca 180
 tgaactgcca acctctgatt gctcccttgg taattctggg ttgtcgtgtg aacacggaaa 240
 attcaggtgt tgggtcgtgtg ggacgacctt ctacctgaag agacatcgtg ggaagattga 300
 gagccattga aagctacctt ccaccttaag gacaagggtgc ttttccaagc catgaggaat 360
 gata 364

<210> 6659
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6659

agctnnggatt gatccagtct aactatggat cgagggttag taatttaggc tacaacatag 60
 aacacaaaag catgattgat tagagaaaca tccttatatg catcagctgg tttgttggaa 120
 agaccaaca cttctaccta ctgctgtcaa ttttacttac ttgcattttt attgttttta 180
 tcctaaactt agtttaattc tgttttaaac catcaattat caatgtttct ttcaacaatg 240
 tcttatttct gaatttaacc cgggtcttaga ctagttccct aagtttgata ctcggattca 300
 tccattttta ttttaataac ttgacgaact ggtgcgcttt ntggcaaacc agatttccct 360
 tgaacatatt tgtataaaaa aaaagtgaac caaaaagtaa ctacaaggga aatccatcat 420
 ttccctttca cacacctaac 440

<210> 6660
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6660

agctnntagc gatttggact agcgaactaa ccgattgagt ccaccacatc tgatgaagag 60
 cccctccaaa gcccttcggt cctagaacct atgaattcca ctatcaaatt ttagtttctt 120
 gaaacctaac acaagaaaaa ctttgatatt taggttcaag tacaacatca gtttccataa 180

aactgatgtt aacgcacgac actcaacatt gattctacat aagaccgatg ttgagtacaa 240
 tactttacat cagttctttt aaaattgatt ttaacaactt ccagttattt taaaaaatac 300
 cactgtgtat ttgttaacat caattntcat attaaccgat gttaactgag cgatataata 360
 tacatatttt ttagtagtgc aaacacaatt taa 393

<210> 6661
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6661

agcttccatc aagtggtaat cagagcacia gagtttcaag taggtgctcc ttanacctcc 60
 attaattntt tttctttgcc ttctcttcca ttgttgtttc ttaatttttc tccatgtatc 120
 tcttcacatg tcttgttcta aattttgtta acatgattct ttagagtttc caccgattaa 180
 acttgctata gaagttagat ttgattttct atggctcaaa tttcttggtc ttgttcttga 240
 accatgaatt gtgctgagtt taggttcctt tgagttttgt cttgctattt tctgaggctg 300
 acacctaacc catataattc ttacttacat atgtaatctg acgaatacct cataactcta 360
 gcgtgacctg ttcacctact tg 382

<210> 6662
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6662

agctnnttac aaaaggttca tcaagtcata gtgaaatatg gaagtaacca tcttgcaaaa 60
 ttggggcaaa agatgaatcg agtcacatca ctgcttcgtc tactgcaaaa catatttagg 120
 attggtgatg tcttgtttac ttccagtttc accttgacaa agatgtcatg gaccatgttg 180
 aaaatctaaa ttgattcaac cccatatact gcgtaaaaat tcgcaatact tcgactgtac 240
 atcattcgca tgcattccatg cttttcattg gatgcattgc tcgttgcatc ctttccttga 300
 aaaataaaat aaaatgaact taatcattgt tataaaaaaa gaaagggaca cgctttacga 360
 cgcccttacc gaactcgtgc tatagctaga gtaatgggtg a 401

<210> 6663
 <211> 312
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6663

agctnnnttg aaagacacat ctcttcaaac cattttgaan aggtacaatg gacatatata 60
 catgtgtgtc tgaatttgaa aagtaagaga gagattntaa aaagagaact ttattatcaa 120
 atgtttctcta aacaactatt ggccaaacac tcgcaaatac attgaatatt cttctaagat 180
 tntcaacttg tattatcatc tctaaaagag agaaattctt ctgtatattc taaacattgg 240
 tgtgatcaag agaatgtttg tctcttgact tgtgagaatc ttgaacacaa gggagacgga 300
 tcccacgatg tg 312

<210> 6664
 <211> 327
 <212> DNA
 <213> Glycine max

<400> 6664

tgcaagctgc atggtgaatc ataggcgact caatggtgcg gtgatgatca ctaggacgat 60
 gacaaaagat ggtgacatag gtgccgacaa agagctcatt gaccgatcca agctctgctc 120
 aggtgaatcg agacaattca tgagctcagg atgcgaatga tgatgaattc cagactcatg 180
 aggatacggc acattcctga atcaagattc atggttcaag atctcaataa tcacgatcct 240
 gattctcgac tcttgattca tgaatcatga gaacgcttaa ccaagataag tatgacaagt 300
 ttttctcaaa tattgagtag cacatga 327

<210> 6665
 <211> 326
 <212> DNA
 <213> Glycine max

<400> 6665

agcttgtcac acccaatgtc cacccttaat gaggttctata ggcttatatg ccacgtctcc 60
 agtgcgtgcc actccacgag tgacacgtat gcaagagcac gacactacgt ctccagtagc 120
 tgccacttca tgagtgcac gtatgcaaga gcacaccaca acgtctctag tgtgtttcac 180

tccatgaagt gacatgtatg caagagcatg ccacatctgt agtacatgcc actccacgag 240
 tgacacgtat gcaagagcac accacaacat ctttagtatg tgccactcca tgaagtgaca 300
 catatgccag agcttaccac catgtc 326

<210> 6666
 <211> 127
 <212> DNA
 <213> Glycine max

<400> 6666

aacatcaaag tgaaacgaca ttcaaacagc acaagctatc acagccaagc aaaacagagc 60
 aaaggcagag aactctgcca aaacaccaac caaatcacia gctttctcac ttaaagactc 120
 caataac 127

<210> 6667
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6667

agcttcttat ctaaggcact cttttggtgg tgaatcttct tcttccatgg cttattctct 60
 agtggatggt gcctcctctc acctcttctc ctttatcttt cgctataact ccatggctga 120
 aaatcaccat tgaaggacct tattgaagct caaagatcaa gcctccatag aagcttctca 180
 accaagcttc catcactcat gattgtcatg tatgaatgca aaaactatnt actgtagcaa 240
 ttctgtggtat ctttcttgac aaagttaggg ttgccataac tcgtctatgc tttctttnta 300
 atgctatcta tagcaaagtc attgacccta gaaaattgga tgaattggag aatgtggctt 360
 ccattgtcct ttatcaaag gagatgtatt ntctccatc attntttgac ataatgggtc 420
 acttaattgt tcatctggcg aggga 445

<210> 6668
 <211> 533
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6668

ngccgccagg anaatgatac ctgatgacgc tagcgacaga ctgncatgac tcagcggtgc 60
 actgtatagc agatagtgtg caatccgtct tcacagatgg tactctttca caatttactt 120
 cagaagaaca tgggtgctgaa gaatatttcc ctgcccgatg tcaatgatca aggcgagtag 180
 gcccaccact atgagatacc catctgtgga gcattggcat gacaatgcct acctctggtg 240
 gctaacacca tectatagtt gtattttagt tgggagacat aggcttaaca tacgtgtgat 300
 taccatatta ttctaataa aggaaatagg cgaaactagc tgttcgcaa ttcaccgatt 360
 gtgctagtgt ttggagggat caacttatga cttgacggct caagactgat gataggccta 420
 ttcgttgatg agaggagatg catattgctt acgatggaga tttgacctag acactatcat 480
 ctggatctca cataacctgc cactctactc aagattctga ggtgaggaca ctc 533

<210> 6669
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 6669
 agcttacggt ccatgacctc atacattcgc tcttattggg tatatccac tagttttctt 60
 cttaaaagct tgctaatttt atgccatgca gataggctat atggaagtat ccacatacaa 120
 cagaggggaag ttgaaagggc gtagaaacta aacatatttc aagcgtttca ctttaacgca 180
 caattgtcta atgaacagag ttgcactcat ctacaatttc aagctgacgt acagcataag 240
 tatccatttc cctcgacatt aactcaaatt ttgtgtacag aacataaaaa tatttgttac 300
 taaataactga ttctgactag gacaggatag ccatgacatc tgaggccctc aaggcaatgt 360
 agacagaacc atctctgccc ttgaagtcac tcgctgcata tctggagtac agaactgtat 420
 tcccaggcat gacggacaat ggc 443

<210> 6670
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6670

tgtggcaatg ctacagtact gacaacatta tacgccgctc gctatcactc tccanatcca 60

tatagccaag agcaatgtga gttaaattgt gaaattcacg catgtagtat tgaagatata 120
 cctgcaaggg ttacatcaaa acaataatct gtcagtatca gaatcccctg ttattcttga 180
 aaaagcggaa agtaatgaca tagaaatctc acacatcgta tccaatctat gtcataaac 240
 tcaacattgt taacaacttc taatggaacc acagcatcgg gtttatggat atgggctctg 300
 accaacttgc gcaatggttt aaaccgagct tgaattcctt ccatatcatc ataaaattca 360
 tcgccatgtt catcgtaa at acagcctaaa ttctccgcat tcaaatectc aagattagga 420
 cactcacaaa gaagctcagc agaatgcata gcactta 457

<210> 6671
 <211> 461
 <212> DNA
 <213> Glycine max

<400> 6671

agcttttctct ctagtagttt tctgtttgat ttatagatta aagtgaaagg aaaaaatata 60
 tataaaaaag aaaaaaatat ataagaaaat aagatgattt tttgaattgt ttaataagag 120
 aaaataaaag gaaaaatatt ttaatgtgtt aaaaattaag aaaacaaaaa tattgtaccc 180
 aaaatgacat aaacaccctg aaaacaaaat gaaccataat atgtataaaa tgtcatttta 240
 gtctttttat tacaaaaact tattttctac ttttttctct ctctccaatt tgaggagata 300
 cagatgagga aaacaaacaa ttttctctcc acttttgcta cttaaatttt tctttcttcc 360
 ttgttactag atgaacccaaa tgaggggaaac aaacagaatt aataagtttt ctttccttta 420
 ctttctagga taaattagtt tgtagatttt tattctatta c 461

<210> 6672
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6672

ngtatgtaat ggacgatgtc atggtttcag caaaaataaa gtttgttatt catgccttt 60
 aatagcgagc cagctaatag ctatactagc ttctgttga gtattgactt gctcatgtca 120
 agaatttaag aagcatcttc cacatgatta aaaagaaaag gtgtttaatt ttgtttaatg 180
 tgctaatacc tgtaggttct tttgggataa ataacaccta tgatttttct gaaagtcaga 240

aataaaattc caaattgtgt ctaaggtaac ttgtagtttt tgcttaaatt ttcaataaat 300
 atatagatgg agaaaaaata caataatttt tcaagtttct ctgttttcaa ttcttttcca 360
 ttaattgagg tgtataaatt aattctaacc tgtaagagaa atctgattta ttctattttc 420
 ttatataagt gttngagtag ttctcaaatt tactctacca atgggttaaatt atctgac 477

<210> 6673
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6673

agcttctggt gggacatctt gacttgcttt ccattctgac attcaccaca gattctgcct 60
 tcttctatct tcagattgag gatgccttta acagcacctt tgtcaatgat tttcttcatg 120
 cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcac tttcttggag 180
 gatagacatg tggaggagta gctggtttct tgggggtgtcc ataggtaaca attgtccttt 240
 gatctgctgc ctttcattag aacttcactc ttctcatttg tcaccaagca ttctgacttt 300
 gtgaagttaa cattgaacct ttcacacac acccgaccga cgctgatcaa gtttgcagtn 360
 agtnccttta ccagcagtac tttgttcaga ctaggaagtc catcatgagc tagctttccc 420
 attccaatga tctttccttt agagccatc 449

<210> 6674
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6674

ggatagggtg acctatatat atgtatatat acttatatta ttttttgggt accaatatat 60
 acttatatta ttcttttaggt acaattaatt atttttttga aacaagtaga ctttgattac 120
 acattactgt tccataactt ccattcctat aatcaagtaa gactttaatt acaatttagg 180
 tatgagtcac gtgtcccttt atattcctca ttatttttat tggctttcct attcctgtta 240
 atgtttcctt ttcttttaac tttcctatta agttcctact actccatagc anaggaatat 300
 taatgtgaag aagactttta aaaaggctat caggccaagc cagactntta aaaaggtcag 360

gtcgcagccaa aataaaaagca nttgatagac tataggctag gctcaggcct canaaattta 420
 ttataggcta ggctcaggcc ttttaaagtc tgggtctgacc tagtcta 467

<210> 6675
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6675

agcttctata taagctgaac cattgtatca atatacacia gttgagtttt attcagaaaa 60
 ttagagttta tctcttttat cttggtgaga gtgattctcc taaattcttg agtgattcaa 120
 gaacacctg gctgtatcaa aggactttca caacctttgt gtggtgccct cgctggaaag 180
 agtgattctt tccttctat catctccacc cttgttcttt caaaccacia ttccagaaaa 240
 tccacctctg cccaaaatta tctcgtgacc ataactccca ttttacacac tcaaattaag 300
 tgattcttga gcctaaattg aatttcaaaa cgagaccttt cacctcgttt tggaatcacc 360
 tcatttgag cctgtagct tccgttattg ccatttctat atttctgtcc agccaccact 420
 taacctacgt tntaccatcc cattca 446

<210> 6676
 <211> 466
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6676

cccatcacat gtggtactat gtggcggtcg ggcgatggtg cacaacaagt tttccacatc 60
 cacaaagcgc gcataaacc accatcccct gttgccacc tccaactgag ctacgtact 120
 cccacgtagc ccatatactc ttttctctca acaccgggtc cccatcaatc ctcccaagct 180
 ttcccaacat caaagtaaaa cgacattcaa acagcaaaag ctatcacagc caagcaaac 240
 agagcaaagg cagaaaactc tgccaaaaca ccaaccaaat cacagctntt ctacttaaa 300
 gactccaata acaattcctt cgttcgggtt cattaaccgt tggatcgact cgaaaattnt 360
 actggaagtc tttagtacat aagcctacat tttgaccgtt gtgatctact agcaaacatc 420
 cagaactcga tttacattac tcttttcaca accagcaaat acatag 466

<210> 6677
 <211> 531
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6677

gggcccgggg atgatgcttc tatctctgtc gcgggatacct tagagtcacc tgaggcatgc 60
 aagctaggaa ggtagtcata cctcacaaga tatatgtatg tgtgtttaag tagcgaaaat 120
 accttggata tgcattgtatg taatttaggt ggcaaaaaaa atacctcaaa atatatatgt 180
 gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtatgttt aagtagtaag ataccttggg 240
 tatgcatgta tatagcaaaa atacctcaca aaacatatat atgtatgttt aggttagcaag 300
 ataccttggg tacacatgta tatagcagaa atacctcaaa taaatataca catgttttagg 360
 tagcaaaata cctcatgaaa aaaaaaaaca caagcggacg agaacaaana atatattttt 420
 cggctgaaaa gccagcacac ttttgaaaga aataacttcc agcttttctt tganaaagat 480
 tcaccgatca taacaccagc ttttgaaaaa aatgtgtatg cacctgaagg g 531

<210> 6678
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 6678

aaagcatttc tttcaaggat aaaaacaagg tccatgtaaa ttaagaatag ctatccacaa 60
 tcactaaggc ataatagttc cctcctatac tcatagttct aaaaggacca aacaagtcta 120
 aatctaagag ttcaagcaat ctagagggtg aaatcatatt tttagattta aaagaaattc 180
 tagattgctt tcccttttga catgcatcac acaagtcac cttcccaaac ttaaacttag 240
 gaagtcctt aaccaactta ttgcctctaa gaaactctga gatcaatata tttatcttcc 300
 cgtgtttgat taccactaag cattgatata aaactaagtc taaaacaaaa 350

<210> 6679
 <211> 595
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 6679

agcagatcgc ctcatactaa acacatgtgc tcaaantnant cgtaaatntc ctctcntntn 60
tttnnnnnnaa ggcggcgcgcg gatganacga gaccaagnan naccngacac naannanacn 120
gaagccccacn ggcacnncca taccaactac gcggggccctt tacacttcat caaaaagagg 180
ccatcaacag acgaggcata ccatccaaac ccaagaaaca gcatacgcac gcacccatat 240
aaaagaacgt atgaaccgga taaaacgaaa ctgtgattca caaacgtcac agccctgagc 300
tcaagttgct cccccgcgct atctaactcc cttgaggtaa catacacgca cacacacaca 360
tatccaacta tttcgaggcg cacatcacga taacgtact aaattaacat ggacaaccgt 420
cggagaagcc aagcaaaca cacagcaggc acaccgtgaa cggatcagac gaggggctgc 480
agcgtgctaa gcaaacagaa cctcagagag acatgaagga acacggaaca ctcgagcaca 540
gacgtatgag cgttgntgc aactagccct cgcacgggga gaaataacaa cgaag 595

<210> 6680
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6680

agctnttcga ttcattctat gtaccgtag tgggtccacat tgtgtttcgt gcatttttat 60
tctcgttttg tttacttttt atacccttg ttgacgtgct taagccattt tacttaagtc 120
atttctcgct taacttaaaa ataaaataaa tttccaccga acgtttgaat tgtattatct 180
gttaacttcg gttaaaataa attctgaccg ttcggtcgtg ccgtaaccac gttggaaatc 240
aaaaagaggt aaaaaataat ataataatca aaaaacatct ttaggtaaaa taaagcggaa 300
aatcaatcgg acgtttttctc tttgggattt ctcatctta atcgaattga ttaataacta 360
aaagtgaac taaggctaaa atcaactcgc ctagtcaagc tcgtccataa aaataagctc 420
ttgaagtttg catttcatta tctcactaag taaaatggat ca 462

<210> 6681
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6681

tcanaccaca gcaacacana atctaggtgt ccaaaacccc tcaattcaat gggttttcta 60
ggtttgaaaa gtgaaattga gaatgaggta aatttgaagc aaactctcac ctacaccag 120
tccataacat ctattgagac ttgttcaaac tggttttaca cctaaaatct caccgaatca 180
aaatttgact cttcaacacc caaattttgt cttagaaata gctctttggt cactttgggtc 240
atttgttttt ctctctagca cagtccaagc tttctcataa gtcctaaatg acatttcaag 300
ctaagattta ctactctaa cctctaaata ctaccaattc cagatttggc cttccagccc 360
tcaaaaattc actctntttc cacttctaac accacattct tactttctaa ccctaggtta 420
gttctaccct tcactcttaa cagtttttca taagcaattt cagcatataa aca 473

<210> 6682
<211> 487
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6682

ggatctctaa gtcacctgcy gcatgcaagc tntgggttaat caagattcaa cttccctaata 60
gtgaataact cacattatgt tgatattatg tacacattcc aaacaaatca tggatctggt 120
tagaatatca accttcaatt ttttttttct ccaactacta aaattattta ctttatecct 180
actcacttta gaagatctaa atctgggttaa caaagttatt tgacataaaa aaaatcaata 240
cactacagtt aaaaacagtc aagtagtgat gatctttcac tactcagctg taaattacca 300
ctcatacacc cgtaatcaca tgtattatta tattctgatt ctgaactaag ttaataaata 360
aacgatccca actcatttta gagggtaaaa taagtaattc cgattgtttg ataaanaaac 420
caatacaatg attacttact ttaatcaacc cacatcacca aaacgataac ttcataaaca 480
aataaat 487

<210> 6683
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6683

gacacttgaa actaagcttc taaggagggtg aacttagttn ttagatgggt gtgtgtagct 60
tagttctagc ttctcaagga agtnttctca aagaagcttc tcaaggaagt tttcttaaga 120
aagcttctca aggaagctac ctagtctata aatagaagca tgtgtaacac ttgttgtaac 180
tttgatgaat gaaagtctta tgagatacac ttcaaagttc cacttctttc cctcttttat 240
tccttcaatt tcgtgctccc cccttctctc tttcttttcc tccattaaag catcctcttc 300
aagcttctta tccaaggcaa ttcttggtgg tgaagctcct tcttccttgg cttatccct 360
agtggatggg gcctcccctc tcctcttctc ctttgcttcc cgctgcatct ccatggtgaa 420
aatca 426

<210> 6684
<211> 454
<212> DNA
<213> Glycine max

<400> 6684
agctagttac atttgattta gagctggatg gtatctgagc ttgatctatc cagcttgta 60
cataatttgt tggatgggat tagagctaca taaacatcca gttattggat caccctgatt 120
tatctacact ctagatgtct attcctaagc gtgaggggtg gtgttggttg gccaccaaca 180
atttttccac gttccaaatg tccaatcctg gaagtgaagg ggtatattgt gttcccacat 240
tgactagaga tatgaccaat gtggctctta taaggcttgg acagtcctca ccttacaagt 300
cggttttgta gggttgagtg atgccttaag tatgaattct aagaatcccc ttcattctct 360
tactctactt tttctattct acattcctat ctcaccatcc cacttctagg ttttcttatt 420
cacttttcgg gccctagcat tatgatctga cttg 454

<210> 6685
<211> 414
<212> DNA
<213> Glycine max

<400> 6685
tatgagacca aaacatgaca gagaatgttt ccaacaatct tactatataa tattatccaa 60
aacacaaatg aattatatag aaatacttct cacaacatgg ggagtaaaat cctcacaca 120
atttcacata atcatattaa aatcataggt tcaaaaacac aaaaacacaa agagcattca 180

ttttcaaact gttttgcatc caatgccttt gtgaaaatat ctgctatttg ttcctcagtg 420
tcaacatgct ccagtgatgat aactttatca tcaacaagct ctctaataata 470

<210> 6688
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6688

agcttaacta actccaaggc atcacctgct gctttatact ccgaatcggg agttctcacc 60
taccagaagt tccagaatcc agtacagact tctatttcag cttatgtgtg agtaaaatat 120
tgctcaaata ataaatcatg ttgatgttgc tattcaggaa aaataacaaa ataccaataa 180
attatgttaa taataaaggg gttggatgtg gttgatggta aattatggag ctacttattt 240
acctgcaaca actccccgca ccctaagctc ttttgataac ttttcaacaa attgtcgggg 300
attgagatgt cgaacgcttg aaaattcaac ctcaaactct tctgggacca tgttacagca 360
ataaggaacc caagatgaaa gaattcgctt tcggtcacat ttagcaacta taggagccct 420
gttagggaaa catttaacaa aatagacgtt attntacaca tggagataac aat 473

<210> 6689
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6689

tcaagatgta gttaagatac ctgacaactt ctgttcgtgt ntgttgcttg atagaaacac 60
agatgctaga tataataata tgaggaaggc tgcttctcgg gcagattccg gtgacaacta 120
tttatactgt ccaagggttg tagatctaca ggatgaggat ntaaggcact ttcagtggca 180
ttgggaaaag ggggagcctg tcattgtcag caatgtgctn gcaaaaacat ctggtttaag 240
ctgggaacca cttgtcatgt ggcgtgcatt ccgtcagatg actaagacca agcatgaaca 300
acatttgat gtgaaggcaa ttgattgctt agattggtgt gaggtttgtt taatttctca 360
atcttgaact tcgagggaaat tttgcacaaa ttccattgct catgttcatt ctcatgaagc 420
ttatgtttaa attgtgtaat gttggtactt attttaactg gaaccactga 470

<210> 6690
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6690

agcttcacaa gtaaattaac ctctgcctg aagtcctgac tgtattaaaa agtaatcagc 60
 agaaagaaaa ggataagtgg ctgacaaaag gataagatat aaaaaatagt tctgaaatta 120
 cacaagctta aaccaagttg tctgtctatt gctatgaagc aaggactcta acactaacac 180
 cggacacgac ataaatactt caacacggct aatgtctaaa atataggaca tggggacacc 240
 gcatatacac acaaataagag agattctaata taaatgaaat atgagtaaca tagtggaatgt 300
 tatggtgagg aggaagatca attttatgtg cctacaagaa actaagtgga caagtgaaaa 360
 agcgaaagaa ttagacagct cgggatttaa gctgtggtat acgggaaaaa tcagatcaag 420
 aaatggngta gggattattg tggac 445

<210> 6691
 <211> 81
 <212> DNA
 <213> Glycine max

<400> 6691

tacaagaatg aagctctgat accacttggt gaacaagtgg cctcagatat cttaagaaga 60
 gggggggggg gtgtgaatta g 81

<210> 6692
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6692

agcttcccac ccagctcgcc caggcgagct catttctttt atgcgagcaa ggttgcttcc 60
 tccagaagca acagccttct ggaggaagga tctggaaggc ccaagtgggc cagattgcta 120
 tttgtacccc cctttttact aaatgcaccc ctctattttt tttggtaatt ctttttccgt 180
 aacgttacga aactttacga atttcgtaac gatacttatt ttccttccgc aaggttacga 240

atccttacgg attatgtatt tactttttat tagcattcga agaagttacg gaaactcacg 300
aattgcgcga aaacacctct ttctgatttc tgcacattac ggaatttcac ggatcgcgca 360
agcctgcttc cttttgattt ctgagacgtc tcgtgacttc atttattgtg caacaaagga 420
cg 422

<210> 6693
<211> 484
<212> DNA
<213> Glycine max

<400> 6693

aaactaagct tccaaacatc caagcaaaac aacattcaaa cagcacaagc tatcacagcc 60
tagcaaaaca gagcaaaggc agaaaactct gctcaacaca tcaacaaaaa tcacagggttt 120
tctcacttaa agaccacagt aaaaattcct tcgatccaat tcgttaaccg ttggatcgac 180
tccaaaattt tactggaagt ctatagtgc taagcctaca ttttgaccgt tgggatctac 240
tagcaaacat tgagaactca ttctgacta gactttccac agccaaccac acacaagcat 300
ttttctgcac ttgtgcaaaa ttctgctgca caatttcaca gcaaaaattc tgcataagtg 360
cagatttcga aatcacact tcctctcatc caatcttgcc caaatcaatt cctacaagtc 420
ccaaatcatg tatcaatcat gtctaaacca aattcaagct ttaaagcaca gcaacacaga 480
atct 484

<210> 6694
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6694

ntaagaagtt gtcaaacatt aatgaataga aaacaacata ttgtagttgc tactgacaag 60
aatcaaact tgggtgaaaag agaatatagg attcatttga tggcaacaat tgattgtatt 120
catttctatt gaagcaaaga ttgacatttc gtggtcatga tgaatcaatt tattcacaaa 180
atcaagataa ttctattgag cttctacata ttcttgacaa tcataatgaa gatattgata 240
acgttctaaa aaatgctcgt ggaaatctca aaccagtggc acctaattatt aaaaggatat 300

tgtgatagct gccgcttgtg agaccaccaa aattattgtt gatgatgtta gagatgattn 360
 ttttgccatt ctaattgatg aatctcgaga tatatcaatt aaggagcaaa tattgggttgt 420
 ttttgttatg cagataanaa tggaagtgtc a 451

<210> 6695
 <211> 488
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6695

agtcgcctgc tgcattgcaag cttccatagc aagaatataa caatgatata ttattagtat 60
 atggaatgca tggtttcttt tttctttaga taactatgat agaattgaaga gacactatcc 120
 taatactatc attaaaaagt ttaccaaagg aatctctcta gaaaaggcta cccatcaaac 180
 aaaatttttag gcccggttcg tttttactga aagacagacg atgacagtgg agacaaagac 240
 gaagaacgat aaaagtatct attttcaccg ttcatttgag tataaagtaa atagtcaatt 300
 tgggtacaaaa tccacccaaa taagtttgca tccaaaactg agcgaatttg tgaagaaaga 360
 agactgaaat tgaggcgttt ataaaaaatt attcttgtgt ganaaatatg aaacacaccg 420
 agagcttaga ttcaaatatg caccccaatc atattcgaat atggaagacc tagagaacaa 480
 ccaacata 488

<210> 6696
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6696

tattagtgtg tacaataatt ntagactcct caacaattta catacatcag tttcgcgtac 60
 aaggtagaga acattgtacc cttttgtttc cagaacatac tgtgttacia atagcttcaa 120
 tctttcaaatt cattgccttc tcgaacaata tacacaacac tntgtgtttc ttcttcaatt 180
 cgatctcttc tttttactct tactttgagg tatatattct taccttagtt acaaacttgc 240
 aaccatgtca atgcccttgc tcacaaactt gcaacacatt gagacactcc tcaatgcacc 300
 aaacccacc gttagtgcatt ccattaaaag atggcactct gcattcatgg ccatctattg 360

ttccccgagct attatgtcac actccactct caagaaacca aacaaaacca aagcaaaagc 420
ctcaccttca ccaacaccaa caccaacacc atctt 455

<210> 6697
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6697

agctataaat aggctctgaa tccgtgacgt tggttcttctc gccaccctca cgcttagcgc 60
gagtaagtgg atttgagctt agcgccagtc ttgcactgag cctggctgaa gacaactgct 120
gogcataaca cactgatctc gcccttagcg cgcagccttg atattgatgc tcttccagat 180
tcttcgggtcg tgctaagcac gctgaagctg tgcttagtgg tggatgcgcg cttagccac 240
tgaagagcta agtcaactg tcaacttttag catttcatga cttagcctct ttttcaccta 300
gaattgcaca tatttcatca ttaaatacaa tagaaatatt ctagagacaa cattaacaat 360
aaaacaagat ttatttaca actactacga aataaccata aattggagaa actatacaag 420
ttttggaaaa tgctntatat acaaaagtta gtcgtataa 459

<210> 6698
<211> 456
<212> DNA
<213> Glycine max

<400> 6698

cattatttct tatagagaat acttatagtg tataccataa taattgccac aaattgtttt 60
ttttttatga tttcaagttg ttgtaaacta aatacagaaa ctcaattaca aaagttttac 120
aatcaaaaa cttaattata ttttttaatt taaagactta attaaaaatt ctcaataat 180
ttaaagagtt accaattagt ttaacaaaaa caaatagtaa caagtgagga tccttaaact 240
tttttttttt agaacaaagt atctgaccag atataaatat aagtaaaaaa atggttttcac 300
gctaactaag tattactagt tgttccatcg ggatttggct tgagatttgc ttattgaaaa 360
ccaacaatca atgcattttt ttacttata ttgaaacca aactattact agttgttcct 420
attgggattg gctcgacaat ggttatgaca atgac 456

<210> 6699
 <211> 282
 <212> DNA
 <213> Glycine max

<400> 6699

tctctactag ggtttcctag cgtagagag aaagagaacg gattggagcc tccattttgt 60
 tgtctctgtg cgagggacat ttctctcacc caacatgtta ttccaaaaat cccaacggtg 120
 ggaatgtgtg gaactaagtt ccaaacctat tgtacaagtt ttacaatgat ccaactgtta 180
 acgagtccac agtcgtaatt atatttggat agggatcggg gtatgccgca aaaataaagt 240
 tgtgtgcat ggacatttct cttatcacag acattaatca ca 282

<210> 6700
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6700

tactatgtcc caacaatcct actagtagtt cctgtggact cttgttgcac aaacattctt 60
 gccaatccaa aatcagaaat tnttgggttc atattctcat caagtagtat gttactagct 120
 ttcaagtctc tgtgaatgat ttttagtctt gagtacttat gaagatagag tttccttga 180
 gaaatccctt ctattatgtt gaagcgcttc ttccagtcta gtaacatgct tctagtgcaa 240
 tcttgtcaat taaaacaagg cagtatgtgt tagaatatat actatacaag agtaatacac 300
 tgcaagacat acatagttat gcttaagata ggaaagcata agtaaaggat taaaggaatc 360
 atccgtaaca attattgaaa aattcagtca gaanacttga aatttctca taagagcatc 420
 gatggtatat ataatt 436

<210> 6701
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6701

agctagaatt ggatatgaac catgagaact atatttttgt catatctaac catcaatggt 60
 actattgact tattgtaaat gcataaaaaa taatgcttta gcactaagag ctacaagtaa 120

agaaaactgc atattaagtg actttattct ttattaagat atttcaattc gggggccatg 180
 ttataaatcc tactttgcat gatcttatac aatctetaat aaatttggtta gagatgcaga 240
 agaagattat cagattcatt acattaatat aagatattgc attgctatag agatgctgat 300
 catgctttta tgttcttatac tacatgagca acttatatct tcatgggtat attcatagct 360
 ctagatgatac atatagatca tattatgaga gagctntatc atgaaataca agttgcttgc 420
 ttgttggaag c 431

<210> 6702
 <211> 381
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6702

taaatcttaa taattagtag gatgttcttg gcacttctca tgttaaattg ttcacattat 60
 cttaatatct ttaaactttc tttcacaaaa gtaacaaaat aaattatctt ctataaaaata 120
 cactgaacta catctaagct taatcaactt tagcaaagta tcattaaatt ttctcataga 180
 tgtatntatt ttataattaa tttatagaaa taactaatct tcaaaaaaaaa aatcatgaaa 240
 ttaacaaaat aaactatctn tacaaaatac accgaactaa atatgaattt aataaacttt 300
 agcaagctat catttaactt ttttcatana tggatttatac ttatgatatac atctactcat 360
 gtatcaaaaat taatttcatg a 381

<210> 6703
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6703

cgtcttgctg gatatttata tgcatacttt tctgatgatac accgaggaac aattagggat 60
 caacttgaaa cttatgtgcn ttaagtgaga cgcacatgct tcttttttca nttgtgaaga 120
 tgttcaaagt ttggctatga agatgggttca cactgagaaa catttggtat ttccattggt 180
 ttataaactt attgagctag ctntgatatt gccggtgtcg acaacatccg ttgaaagagc 240
 tttttcagca atgaagaata tcaagtctaa attgcgcaat aagatcaacg atgtgtggtt 300

caatgacttg atggtatggt acaccgagcg ggagatattc aagtcacttg atgatattga 360
tattattcga acatctaccg caaagaagtc tcggaaagga cacttgccctc gtaatttatt 420
taaccgcgtt tgtaaattat gttatctctt tatttta 456

<210> 6704
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6704

tgtgggtgga ggacgcatga acgaaaacac aatttatggg tcttcgtaaa agggttgagg 60
atggagaatt gactaagca atcactacgc acggttccaa gctccagggg ggaggacgca 120
tgaacgaaaa agcaattcat ggggctccga aaaaggggtg aggatggaga attgcactaa 180
gcaatcacta caaacggctc caaactcgtg ggtgaaggac gcatgaacca aaacgccatt 240
catggggctc agaaaaaggg ttgaggatgg agaattgcac taagcaatca ctacgcatgg 300
ctccaagctc ctgtgtggag gacgcatgaa cgaaaatgca attcatgggg ctccgaanaa 360
gggttgagga tggagaattg cactaagcaa tcactatgca tggctccaaa ctctggtggg 420
aaggacgcat gaacgaaaac cccattcatg 450

<210> 6705
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6705

agctagagcg taaactanat gccttggttt acctgttaac ctaactggcc atgggataaa 60
aatctgcacc ttctgccaca ctctgtggtt tatgctctc taccgaccac catacagacc 120
tttgcccttc tatgcaacaa tctgaagcaa ttgaacaacc tgaagtttat gctgaaaaca 180
tctacaatag acctcctcaa cctcagcaac aaaatcagcc acaacagAAC aactatgacc 240
tctccagcaa taggtacaat ctcggttgga ggaatcatcc cgaccttaga tggtcgaatt 300
cttcacaata gcaacaacaa caacaacagc cttattatta aaatgctact gggccaagca 360
gaccatacgt tctccacca atccagcgac agctacaaca acgacacatc ggacccgaaa 420

tagcaa

426

<210> 6706
<211> 380
<212> DNA
<213> Glycine max

<400> 6706

atgaatgaga gtctcgtgag acacaactca aagttcaact tctctccccc ttttctgtg 60
tgagtttcgt gctccactct ctctttctct ctgtgtttac ggccctccat tgaagcatcc 120
tgtccaagct tcttatccaa ggcacattct tgggtggcgaa gctgcttctt gcatggctta 180
ttccctagtg gatgggtgct cttgtcacct ctttgccttt gtcgtccgct gaatctccat 240
ggtgagaaat caccattgaa tgaaggtcac agatgcagcc ttcatagaag cttcacaagc 300
gagcttccat gactgtggct cctctgct ccaactcatca tctgctacct tcaagctctt 360
acccatgggt tactatgttg 380

<210> 6707
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6707

atccttaagc gacgcggctg cagcttgcta tgtntatgaa ttattttggt attcatcttt 60
ctccacctgg nagacgctc tcttcattat cgtcttatct cctaggttgt tataggggtt 120
ggatcacata tcttcaatga tcttgatggc atcagcaaga ggttttaaca tgatgttacc 180
tccacaagca acatccaaac ttgtcctggt gtgtgaggac actccacat agaaaatatg 240
aactgcctc tgtggggaga agccatgatg tgaacaactt ttgatcatct cttgtaactt 300
ttttaggctt tatgtagact ctcttggtcc ctctacacaa agtttccaat atccgtgatg 360
tactcatccg tcttcatggg agagaaatac cttcttaaga aggcatttat gcactgggtc 420
catgtagtgg tgtttttcgc aggtattgag cacaaccaat cccat 465

<210> 6708
<211> 460
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6708

tcttatccaa ggcaattctt ggtggtgaag ctcatctctt cttgtcttat tccctagtgg 60
atggtgcctc ccatctcctc ttctcctttg ccttcgctg catctccatg gtgaaaaaat 120
caccattgaa ggacctcatt gaagctcaaa gatccagcct ccatagaagc cccacaagca 180
agcttccatc aagttctcac ttaaanatga aaagatatat ataattttct caaataatat 240
tttactaaat tctctcttta taagaaattg agttttgggt attgtaacat attatgaaat 300
cgatgtaatt gattacaggt tgatgcaaca aattacaaaa ttaatgtaat cgattacaga 360
tcaatataac aaattacgaa atcgattaaa acttagctta gatcaataaa atagtcctta 420
ggaaggaatt aatcatttac aaacctatgt aatcaattac 460

<210> 6709

<211> 466

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6709

agcttataaa gggatgctcc ttcaaagtag aatacttgaa ttanaaaaaa aacaaaatta 60
atgtaattaa aaaagtaaaa atttgacaaa taatcaatac ttttttatat ctaatatata 120
cgagaatcaa taagaatatg ttttatagca ttatttcata actttaatta ctcatcaata 180
tatctttata gaatatttct ctattaatat ttcttaataa tttaaaaaga taaaaattac 240
taacaagggt tgagtctaac aaagaggtaa atctttcatg ataggaatga caacgtgggt 300
caatcatgtc gacaagttga cctgccaca aaagtgtgta gagaaatata gccctttgat 360
aactgggcgg gttgaccaac aaataaataa aatgacatgc tatgaaatga tgagtttggt 420
ggttgataaa gtaaacttcc aaaaaataga gtgggtaggc ataaca 466

<210> 6710

<211> 371

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6710

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gattcacctt ttggttatat ggttctaatt tttggaaaat ttctttactt tttgttatca 120
aactcaaacc aattattgac tcaatcaggg tactaaatta ctatgtcaag ggtagattaa 180
gtgaattaat ggttgactga cattgagttt aaaatattaa aaatntctaa ttaaaaatta 240
aaatatcatc aaatctcaga agagttaaca aaacaacaaa taaatatata aacgtctcaa 300
ttatcatttt ctaaaatatt acaatngacc catcaccatc atgattgtcg ttgtcaacat 360
cataaccacc g 371

<210> 6711
<211> 409
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6711

agctagctaa cccatggaag ctctaatat ctctcactct ttntgnggtg ggccatcctt 60
ggatggcctt gattttctca ggggtccactt ggacccatt tctaccaact acaaaaccta 120
agaagactat attatctaca caaaaggtag acttctctat attttcatag aggggtgtttt 180
cctaaggact ggaagaactt gcttgagatg tctaagtga tcacttaggc tcctattgtc 240
cactaaaata tcatcaaaat aaacaactac aaatctacct atgaaatccc ttaagacatg 300
atgcataagc ctcataaagg tgcttggtgc attagtgagc ccaaaggca tcactagcca 360
ttcatacaaa ccaaacttgg tcttgaaagc ggttttccac tcatcacc 409

<210> 6712
<211> 492
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6712

acactataga aactaagctt aagctcagga aaagcttgaa gatgttttga ttnttacatg 60
cctaactttc ttgagtggca tttgtattgg ttgttatctg gtatgtttca tcttagtaca 120
tatgatatta gtattgcac attcatcatc atgggttagtg tgaagaaaag tttcttcaag 180
aggcaaaaac tctctgtttt aatcgattat aggtctatca taatcgatta cagcaagatg 240

tttgaagctt aaagagttga gtctcgtatc attntaatca attacagttg tttcaaaatc 300
 gattacgttg ttgtttgaga caatgactaa tttatttagg agtctctgct ntaatcgatt 360
 accaagtggg ttaatcgatt acttctctct cgcttagttg ttcaaaagtg aacaagaaca 420
 cttgaattga ttactttgag tatctaataca attacattgt tctttgagtt attttagatg 480
 ttagtaagaa ca 492

<210> 6713
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6713

agctntacgc ggacaagcat cgtagggaag tctttttggt tttgggactg ggctctggct 60
 cgacttcggt cttacaggca gccctctgcc aaaggggatc actcaaccaa tgtgaagtta 120
 gctcgttggt attatggccc atttcaggtc acagttaagc tcgggcccgt agcttategc 180
 gtggattttt cggcaggcgt ttgcatccac ctggtgtttc attgctcgaa cctcaaact 240
 tttcggggcg agacagactc caattcctca attcctttgc cacccaattt tcacgagaat 300
 caaccactca tatccccctc tgccattctg gngtctcgtc gtgcaacctc tgatcctcat 360
 agttcttggc aggttttggg gcagtggcag ggtctccac cgaggagac gtcgtgggaa 420
 gattgtgacc agtctttgca ggacta 446

<210> 6714
 <211> 466
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6714

ngaatatctt catttgagta atgcaagcct atccaagcat ttattgtctt tgtaggtgc 60
 aagctgtatt actgacttcg agggtcagtt cctccagaaa ttcaaggag aaagggaaga 120
 attaacaagg tgaggaaaag gggatttctt attattctcc ctgagcttgt tatttacata 180
 gtattatata gacattccca taacagaatt tggacaattg ctctcctacg aatattctag 240
 taacagaatc tctattgcta ttttgcccac taggaaataa cgtgctgcaa gcatgatttg 300

gtggagattc tctaatttcc cttttatccg gtatcgccct cttcagctca gacataatct 360
gcaaggtagg tgggttcaca attcttcttt tgttcttggc tcttctccct tatgaccct 420
gatgctggtg tttctcttgg tatggtctct tctccctttt gcaccc 466

<210> 6715
<211> 471
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6715

agctntagaa accctaattn gaggaagaag aagtctgtta agaagaaaat atttgacaac 60
ttntatatt ttgcatcaaa gtccagtcta cgtgtcacia tctgggacaa tttgccacgt 120
tggatagtct atgtgtcatt aaaatttcca acaatgcacc tcacttacgg cgttactttt 180
aaatttaacg gcaaggacta ttttgcaaaa cttatgcaaa gatagagact attttttaca 240
tttcaaaaag atagggacta atttgcaaaa gggatcaaaa gtcagggacc aaaatgccta 300
tttactggag aaaaaaaaaat tttgtcaatg tttgtggagt ctaaaagtcc caagggatac 360
tcttcaagta tagagccatg tatccgtcaa tgatctcaaa ttggtcggct tanagtctca 420
tgggtgtcat atgttaatgc aacaactatt gggtaggtgc gattgcagta t 471

<210> 6716
<211> 444
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6716

gctgagatgt ttagaagttt ggctttactt gttntagaaa gaaaatattg ggtattggtg 60
gtctacaatg gaagacaaaa ttttggttta tatcattaca tatattctgg caccaagatc 120
tagcaatcat gctcaagtca ccgatgacga cttgcatatc atatatgggc caaaattagg 180
tattcaaagc atttgggtac tattgattgt tgaaaagtcg tcgactagtg gattataaat 240
tttcatatgc aattntgacc tcaagattca ttgattattt caatatcgat gtttctaagc 300
ggattgtaga ctttaccaaa gcctctaagc agaaaactga aaggcatctc aagaagcttg 360
gcatgtcata tggtgatcat gagtgggtca tggaaggaca acaacccgca acaacaaacg 420

ttgatttgat ggaagaagaa tctg

444

<210> 6717
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6717

ggatcttaag cactgagctg cagcttgagc aattaaacga tgataacttt tttctcggat 60
gtcggattga gtcccgtaat atatcgagac gtcgacatt gataataaaa actctgtgaa 120
aattcaaaca acgataactt tttactcaga tgtccgattg cgttccgcaa tatatcgaga 180
tgctcgaaat tgaaaatgga agctcgtagc acatgcaaac cacaataact ttttactcgg 240
atggccaatt gtgtcccgta atatatcgcg atgctcaaaa ttgaatacaa aagctgtgag 300
cacatacaga cgatagtaac tntntactcg aatgtccgat tgcgtcccga agtatatcga 360
gacgctcaaa attcagagta gatgttgtga ccacaatcta acgacaataa ctctttactc 420
ggat 424

<210> 6718
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6718

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cgggacacaa tcggacatcc gagtaaaaag gtatagtttt ttgaatttac tgagagcttc 120
agttttcaat ttcgagtgtc tcgatatatt acaggactca atcagacatc cgagttaaaa 180
gttatggtcg tttgaatatg ctacgagctt ctgttttcaa ttgcgagcgt ctagatatac 240
taagggacac aatcgcacat ccgagaaaaa agttaatgtc gtttgaattt gcacagagct 300
tctgttttca attttgagcg tctcgatata ctacgggact caatcggaca tccgagttaa 360
aagttattat ggtttgaatt ngctaggagc tactattttc aanttggagc atttcgatta 420
taacgggact caatcggaca t 441

<210> 6719
 <211> 302
 <212> DNA
 <213> Glycine max

<400> 6719

atattcttcc cttgcgtagg cataatgttc aattactgac aaggcttatg gagcatccat 60
 aactagatca actatattcg aaacgacatt tcagttggta agactgcca aatctctact 120
 ctttactcag tcatcaatca acacgaatgg aatatttggc tatcaatage tgggcaacat 180
 taaaaaggat ctctactacg gacatcggct gacgcaaata atccagagaa gccctcttga 240
 taagctcggc taacagttct attcttgctt actcaaatgc catccaactc aagtgagcag 300
 ag 302

<210> 6720
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6720

ntatgcatcc cttctcaatt ggatatccac aaccctataa gaattgagcc tatgaggcaa 60
 aacatttaag tatgtttgta aggtctggct ttacgcatct cttcttggtc aagcaatcca 120
 cattcctcta agcactaagc ttataaggcg aaagtgttta agtatctaga taaccatggt 180
 cacaataatt ccatcttttc ataattgggtg ttatatttgt tataatctttt atcttctttt 240
 gtttcagttt catagcttat ttgctattac atatattttg ttgttgggat tctagttagg 300
 ccttgtggct aactaaatag ggataaatct tttntttaac ttcacattta tctcttgttt 360
 ggaatgcact agtgtgatgt tacctaatta gaatatcttt ctaggagagc gtgaggatga 420
 cnatcaatgg attctag 437

<210> 6721
 <211> 297
 <212> DNA
 <213> Glycine max

<400> 6721

agctaagaag agtatggggt acccatctct atgtttatct atggtggcgg ccaggcgagg 60

gtgcacaaca agttctccac atccactatg cgcgcataaa cacaccatac cctgttgtcc 120
 acctacaact gagctcacgt actcgcacga ctcccatata ctccatatat ggagaccggg 180
 taccgactga tccacttaag ctgacacgac atacaagctc atctacgttc ctactggaca 240
 ctctatcaca gtcaagctaa accacatcaa atgcagatat gactgctcta tacacac 297

<210> 6722
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6722

gcttctaagg aagtgttctc aagaaagctt ctcaaggaag ctacctatta tataaataaa 60
 agcatgtgtt acacttggtta taactctgat gaatgagagt cttgtgagac acaactcana 120
 gttcaacttc tgtcccttgt tcttccttca atttcatgct cccccctctc tctttctctc 180
 cctctttctt ttctccatt gaagcatcct ctccaagctt cttatccaag gtcacatttg 240
 gtggtgaagc tccttcttcc atggcttatt ccctagtggg tggcgctctc tctcacctct 300
 tctcctttgt cttccgctgc atctccatgg tggaaaatca ccattaaagg acctcattga 360
 agctcanaga tccagcctcc atagaagccc cataagcaag cttccatcat gtggtaatca 420
 gagcaca 427

<210> 6723
 <211> 352
 <212> DNA
 <213> Glycine max
 <400> 6723

cttgagcttc gtcattacc tgtcataagc tattttttaca aagctcggct cggcttatat 60
 aaaagtgtgg ctcggtccac gagcctatctt aaaagtctgc ctaacatcgc ccttgattaa 120
 ccaattatct taaaacctag cgaacaacga actataagaa gaaccttagt caaattcgtg 180
 tcagtactgt acaaatccaa aaataatgga ctaacataat catagtgaat tcaagcggca 240
 caacacagcg tacatcatga gaaaataaaa agaacgtcat tttatgagac gtatgaatta 300
 gacatggttt gcacaacatg aattttatct tacgtgcaca gtgtgtatga ac 352

<210> 6724
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6724

gcttctacat cctatgacag tgttgccca cttttgcttt tttgactcta gcaatagaga 60
 cactatatag tggtagctgc actccaagaa ctttggatac aatcgcttta ctgattcaaa 120
 ctctggcaatc ctntaaagca gctagatgag ttttgggtca atgggtctatg ggttgaataa 180
 tgtgataaaa ataacgcttc aatagtgtga tacatatata taagattatt aacatataat 240
 gtataaaata aaaacacagc ttatataagc ctacatatcc taatgtatgt gaaaaaagga 300
 tttaatctta tatattatat cttagaagat aatctctaag agtataaaac tatcgtaaag 360
 ttaaaaggaa taaaagttat attttgaaat atgttcgcat aagacttata ttaatattat 420
 att 423

<210> 6725
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 6725

agctatgcc aatgctgaac ccatatcatg catatatttt acactcaata agaattctag 60
 tacaaaatgg cagaagcaga cttttctcat gctatatgat tgtacctgag gttaacctag 120
 acatagtttg attattgatt tctgcattct ttgattcttc atagctgaga tgttatgcc 180
 aagaattagc agaatcatca atgatcaatt cacatagtca tagttaatgg gtgaactgta 240
 ctttattcga tcagtgaaca aagcttcttc tttcagagta agctctgcag tcagagaaaa 300
 ttctgcaaga ataacatgta atgggtttta taatgtggaa ctttaggttt aaaaatgacc 360
 aaacacatgt aatgggcaat gaagttggca ttacaaattt ac 402

<210> 6726
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6726

tataagaacc aaaatgcctc aatcatttcc aaatatgcat gttattttga agcatcaaca 60
 agaatcaagc caaggctatt gtgcaagcaa tcaatggggc aaaacacacc aaatgattat 120
 gatgatggat ggctcaaatt ctacaaaagg taaactcatc actttcaa at tgagctttca 180
 aaactatcat gacatgtaga ggagaatcaa agattttcaag tcacaaaatg tcaaaaactt 240
 ttattttcaa aacaattacc cattttctga acatatacta taattcaaag aaaaacatgc 300
 aaagtagtac atgcgcacgg aattggccca aaatattaaa ctaaaaatcc gacgaaacta 360
 acaacattaa caaattaaca caactgacaa attaacaaaa ccaacaaaac tagcanaacc 420
 aaagaacact cccccccata cttaacaac ac 452

<210> 6727
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 6727
 agtcacctgc tgcattgata gcttctaaaa agatctgatg acacttttcc ttacatggag 60
 tgtcttctct tactccaact tagctaccac acctcagatt tgaatatggg cagagctagg 120
 ttgggtctatg gcttggtaac caacatggac acgaacattg gagcccttat ctcatgatcag 180
 atttcttcta ttgctcagag taactcctet aggcttggat ttctagcctt aatcactgcc 240
 atatgtagag ctagaggagt tacctcta at agtctgatct atgagagctt gagctcgacc 300
 attaatgttg cctacattaa gaaaaattgt tggaatgtgg atgatcta at agttaacttt 360
 aaaggggcaa ggaaggcaag ggttctacca actgatgttc cttcttcttt tactttacca 420
 actccttgca cttctactac gcctaca 447

<210> 6728
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 6728
 cttgaatgct ctattcaatg gagttgacaa gaatatcttc agactaatca acacatgcac 60
 agtggccaaa gatgcatggg agatcctgaa aaccactcat gaaggaaacct ccaaagtga 120
 gatgtccagg ttgcaactat tggctacaaa attcgaaa at ctgaagatga aggaggaaga 180

gtgtattcat gacttccaca tgaacattct tgaaattgcc aatgcttgca ctgccttggg 240
agagaggata acagatgaaa agctggtgag aaagatcctc agatccttgc ctaagagatt 300
tgacatgaaa gtcactgcaa tagaggaggc ccaagacatt tgcaacatga gagtggatga 360
actcattggt tcccttcaaa cctttgagct aggactctcg gat 403

<210> 6729
<211> 545
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6729

cgcgcatgtg tgctgcatc cnatcgacat ccccgagatn ctatatagnc gacctcgagg 60
catgcgagct tgctgtcga cgattatagt tattttcttt tagcacccaa tgctggtgca 120
ataatagtta acgatacgac acgatggata tgcactaatg ctactcaaag gacttgcggt 180
tgtatgacgg attgattaaa tctatgctgc ttacacgcac tccctcaaca ctcttaaaac 240
aatagggagc cgacttgcta agccagaagc gccaacttga ttataatctt ctaagaaaat 300
aagtaaattt gcgtctcggg cgactgtgac tacgagctgg tccatgtgag gtgaccaagg 360
catttctcag atcaccatcc actgcacaag gtaatgatga cccaccactc atgagctatg 420
tgcttgagca acaccggtaa tgtatttcca taaatgggtg tagggtagat cgctctaaca 480
ttacgcaacc gcaccatcgc attctgtcgc agaggtacag acagagatga tcatcgata 540
ggtcg 545

<210> 6730
<211> 503
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6730

cttgtgctct aggacgctnt gtgatatggt accctctcat actgcatgga tattgttgta 60
ctagggcgct atagtgtctt cttggagtag tgactgaatg gactcgtgac gtagaactcg 120
acgctgttta ttatgtggct caccaaacac gattagtatg cttattagga tgcatgaga 180
tcttagatgg catgtgggtg tattaacaac ggtcagattg acacagagtc cactattcgt 240

atttgactat tctttactgg gaatgcaaga cctattgaga cggacggggtt gtgaaccctg 300
cattctatca tgcacgttgc ttagatcacg tgtggagggtc cacgctaacg gcacatggac 360
attatgttat ggatgtattc tattatgcat taggacttgc gctgatcaaa catgcactcc 420
atgcttgagt cttatactag aggcgtggag cgtcagatac gtgcgtaaata atcatagaca 480
cagtcatgcg agggacttca tcn 503

<210> 6731
<211> 391
<212> DNA
<213> Glycine max

<400> 6731

agctttgtta cgtatagtat atcaaattaa tatttgttgg caaattaaaa ttatgatcca 60
ccggatgaaa aagcatctaa ctttattttac atatagtata tcaaataaat aatttttttac 120
aaatttgaaa ttcgatccag tgacgtactg aagccaagt ttctttttaa tatagtatat 180
agatagataa atacgatatg caacatatca tgtcaatatg tttggaaaaa aatttgttga 240
accctaaaat aagtaaaacta tttatatatc aataacattc ataaaagtaa tttcaagttt 300
ttaagggaag tagtataaga cttcactaca tttacatttg tataattgac ttgagctacc 360
ggtagtaaaa aaacgtgagt gagttaatga c 391

<210> 6732
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6732

ctaagctcgg agatttatca ttgggttctac tcgatgacac cagaatatat agttggaatc 60
atcaagcttn tctgaaatcg aaggaaaaga ttgatgtgaa tgatgagagg aagtggacac 120
agcaaaattg ttttctgcca ttgatgaatc cttctaagag attggacatt agatcctcca 180
agttctgagt ctgtacgaaa tgctgttggg gttcttcaag agattggggc attgtcagtt 240
gatgaacaac tcaactcagct agggcagaag cttggctgtc ttcctattca tccatcaaca 300
ggcagaatgc ttattttttc catatagatg atatgtcttg atccagctct aactcttgct 360

tgtgcattcg agtttaatga tccatntgtg catcccactt tacctgatga atagaagaga 420
gcttcagctg ctgatctga gcttggctct ttgta 455

<210> 6733
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6733

agettaccgc ctctgccgac caatgaatag atttatgttc attgcgctca agtatgcttc 60
tgtaataata attaaggata caacaagaaa aagatgcaat aattctagtc aaaggacata 120
agttttttatt tttccttgat taaatctatg tgaattacaa tcaaatacaca acactcttag 180
aaaaataatt aattgatttt aaaaacttga agtaggaact taattaaaat ctcttaaaaa 240
aataattaaa atagcatttc gttcacctgt gactacaact cgatccattt aacatttcaa 300
agtaaattcc caaatcaaaa tccacagtac agtataatta tgaccagaa caatttgta 360
aatcactgag caaccaata ttatttggca taaaaattga agttagatgc tntagttatg 420
caacagaaca agcatctatt gaaaggccaa acaaatatga tcatg 465

<210> 6734
<211> 481
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6734

ntaatatc aaccaccaat attagatata attaactaat tatgtgttta cttcatctng 60
tttgaattcc aataagatac atatgtacag cttatgcact ttgatttttg ttatcgacat 120
ttatagtttg aaacaaaaat gcaaattgga ataataaatc atggtagcta gacaaatata 180
attttggtta atttttttta gagataaaac tagtttatat tcatatgggc cgtcttgatt 240
aatttgaatt tgaatttcaa gcgagatttg tgtatttggt aattntgggc aaaaaatta 300
ttggttgacy aaattaattg atttaaaatt taaacaaaag ttaaatatgt tatgaacgaa 360
aataaatata taagcacaat tagaaacgct aaattaatct actgtcttag ttaaaatcat 420
gctggtgaac acaatctaga ggtagtgac atataacgag tggagatcct cttgagtgc 480

<210> 6735
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6735

agctagttaa agaacttaga aaaaatcaag aacttgcttg ttcgcacatc gttcgcgtgt 60
 atgacatcca ctccacaagg tttgaagtag aggagacctt caatcctatt acgcaacgtg 120
 gcggacaaaa gtgggcagtt aacttgaacg gtcattattg tcaatgcgga aggtattctg 180
 cgcttcacta tccatgttca catattattg cagcttgtgc gtacgtgagc ctgaactact 240
 accaatatat agatgtttgtt tatacaaatg agcacatctt aaaagcttac tccgcacaat 300
 ggtggcctct tgggaatgaa gcggctattc ctccctntaa tgacgcatgg acacttatcc 360
 ctgacccaac tacaattcgt gcgaaaggtc gt 392

<210> 6736
 <211> 467
 <212> DNA
 <213> Glycine max

<400> 6736

ctaagcttct aaagaggtta gcttagttat tagagagggtg tgtgtagtta agctctatct 60
 tctcaaggaa gcttctcaaa gaagcttctc aaggaagttt ctcaagaaag cttctcaagg 120
 aagctaccta ggctataaat agaagcatgt gtaacacttt ttgtaccttt gatgaatgaa 180
 agtcttatga gacacacttc aaagtccac ttttctccct cttttattcc ttcaatttca 240
 tgctcccccc ttctctcttt cttttcctcc attaaagcat cctcttcaag cttcttatcc 300
 aaggcacatt cttggtggtg aagttcgttc ttccatggct tattccctag tggatggtgt 360
 ctcccccttc ctcttctcct ttgcctttcg ctgcattctc atggtggaaa atcaccattg 420
 aaggacttca ttgaagctca aagatccagc ctctatagaa gctccac 467

<210> 6737
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6737

agctttgatc aataaacttt tcttgaaga gtatgtgttg atcaaaaact tttttaaaag 60
 atgaagagaa atgaatcaga aaaattcttt agaaagatat tgaaagattg attgaaagat 120
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<210> 6738
 <211> 465
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6738

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 caaaaattag tctaggtatc ctaaaatata aaggctgaaa aatcctatat ttctagggta 240
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 cgatgagaac cctagagcct tctcttgcac ctctggctta atcttcttgg agtcatctat 420
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 <213> Glycine max

<223> unsure at all n locations
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 gagaaacaag acaattaaat atatataatta tataaatgag ataccacttg cttaaacata 360
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<210> 6740
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
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 gtacaactca tcttcttccc gattcttctc cgcgcttagc caatgagtgt tgcgcttagc 240
 aaatgcttgc taatccagca tattggctta gtgagaacgt gaaaaacaac acttcaaaac 300
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<210> 6741
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 <212> DNA
 <213> Glycine max
 <400> 6741

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 ttattaccat ttgaatttct cgagagcata tgggtgttcaa tttcgagcgt ctcgatatat 180
 tatacacctg aatcgggcat ccgtgtgaca agttatgacc atttgaattt cttcagagcc 240

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<210> 6742
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 6742

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 cttccgtgtg acaagttatg accatttttaa tttctcaaga gcattcgttg ttcaatttcg 180
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 aatttctcga gagcttgccg tgttcaattc caagcgtctc gatatattat gcacctgaat 300
 cagactttcg tatgacaagt tatgaccgat tgaatttctc gagaggcttc gctgttcaat 360
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 <211> 217
 <212> DNA
 <213> Glycine max

<400> 6743

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 cgcgcaacgc tatttgaaaa tcaatcctgc gttttttata cttcaagat agaacttcgt 180
 gaatttcttc agggacaatc ttaccctcaa ctagaaa 217

<210> 6744
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 6744

